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JSON:API - Record of Fishing Vessels (RFV)

Introduction

The WCPFC RFV system provides API access using the JSON:API specification. Full details on JSON:API itself including document structure and query syntax can be found at <https://jsonapi.org/>.

JSON: API is a way to interact with the Record of Fishing Vessel without using the website as a front end, and as such means that it is easier for other applications and tools to access vessel, vessel versions, vessel fished information, vessel charter information etc. There are many different software or programming tools that can be used to access the API, however examples in this documentation use cURL.

Endpoints:

Entity type	Endpoint	JSON:API "Type"
Vessel Origin	/jsonapi/vessel_origin/vessel_origin	vessel_origin--vessel_origin
Vessel Version	/jsonapi/vessel_version/vessel_version	vessel_version--vessel_version
Vessel Fished	/jsonapi/vessel_fished/vessel_fished	vessel_fished--vessel_fished
Vessel Charter	/jsonapi/vessel_charter/vessel_charter	vessel_charter--vessel_charter
Country	/jsonapi/country/country	contry--country
Party	/jsonapi/party/party	party--party
Port	/jsonapi/port/port	port--port
Fishing Gear Type	/jsonapi/fishing_gear_type /fishing_gear_type	fishing_gear_type--fishing_gear_type
Vessel Type	/jsonapi/vessel_type/vessel_type	vessel_type--vessel_type
FFA Vessel	/jsonapi/ffa_vessel	ffa_vessel
FFA Registration	/jsonapi/ffa_registration	ffa_registration
Vessel MTU Register	/jsonapi/vessel_mtu_register /vessel_mtu_register	vessel_mtu_register-- vessel_mtu_register
MTU Audit	/jsonapi/mtu_audit/mtu_audit	mtu_audit--mtu_audit

HTTP Methods:

Use Case	Method
Retrieve data	GET

Get method can be used to fetch data from JSON:API endpoints.

Data Relationships

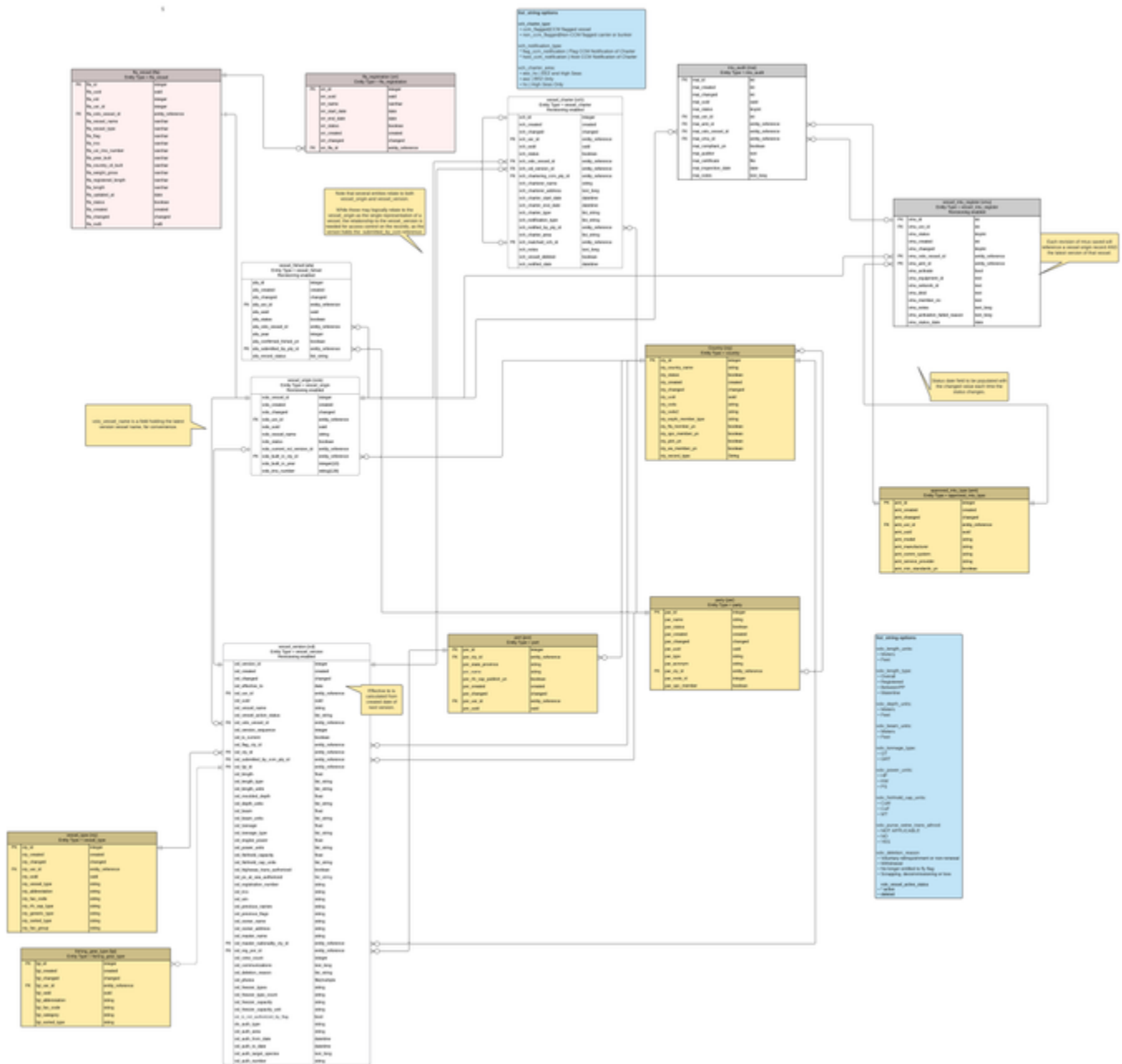
The diagram below outlines the relationships between data within the WCPFC Record of Fishing Vessels (RFV).

Of particular importance is the relationship between `vessel_origin` and `vessel_version`. It is important to be aware that the RFV database stores many historical versions of a vessel, not only the current details.

Vessel_origin is the primary representation of a physical vessel and the fields vslo_vessel_id is the primary WCPFC identifier for a vessel.

There may be many historical vessel_version records related to one vessel_origin record. The current version however can be found by following the vslo_current_vsl_version_id relationship.

Entities within the yellow boxes in the ER diagram below represent reference data that is common across many WCPFC systems.



Fetching Data

- [Vessel Origin](#)
- [Vessel Version](#)
- [Vessel Charter](#)
- [Vessel Fished/Not Fished Status](#)
- [Vessel MTU Register](#)
- [MTU Audit](#)

Vessel Origin

To fetch vessel origin entities, make a GET request to the `/jsonapi/vessel_origin/vessel_origin` endpoint, authentication is not required for requesting public vessel data. The response will contain all data of vessel origin entities, including a `vslo_vessel_id` field, which is the primary WCPFC vessel identifier.

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin'
```

This endpoint is represented by the white box in the diagram above with entity type `vessel_origin`. It returns data about the vessel id, built-in year, built-in country, IMO number and other stored data.

Endpoint: `/jsonapi/vessel_origin/vessel_origin`

```
{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_origin--vessel_origin",
      "id": "ae07483c-9863-4600-b23f-84c3eaec3d0b",
      "links": {
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b"
        }
      },
      "attributes": {
        "drupal_internal__vslo_vessel_id": 1,
        "drupal_internal__vslo_vessel_vid": 11862,
        "langcode": "en",
        "vslo_revision_timestamp": "2022-06-20T19:59:08+00:00",

```

```

        "vslo_revision_log": null,
        "vslo_status": true,
        "vslo_vessel_name": "LU RONG YU SHUI 62",
        "vslo_created": "2015-01-12T01:36:40+00:00",
        "vslo_changed": "2022-06-20T19:59:08+00:00",
        "vslo_built_in_year": null,
        "vslo_imo_number": null
    },
    "relationships": {
        "vslo_revision_uid": {
            "data": {
                "type": "user--user",
                "id": "53cd3c1e-4b0d-4514-be4d-1530471e42b7",
                "meta": {
                    "drupal_internal__target_id": 0
                }
            },
            "links": {
                "related": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/vslo_revision_uid"
                },
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/relationships/vslo_revision_uid"
                }
            }
        },
        "vslo_usr_id": {
            "data": {
                "type": "user--user",
                "id": "97d609ed-5ff0-40f0-a7a4-842137e59ab5",
                "meta": {
                    "drupal_internal__target_id": 1
                }
            },
            "links": {
                "related": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/vslo_usr_id"
                },
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/relationships/vslo_usr_id"
                }
            }
        }
    }
}

```

```

        }
    },
    "vslo_current_vsl_version_id": {
        "data": {
            "type": "vessel_version--vessel_version",
            "id": "21f430e8-c2db-4b8a-a913-81032551ec66",
            "meta": {
                "drupal_internal__target_id": 6
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/vslo_current_vsl_version_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/relationships/vslo_current_vsl_version_id"
            }
        }
    },
    "vslo_built_in_cty_id": {
        "data": {
            "type": "country--country",
            "id": "1da7047c-4c23-4746-8bfc-ad71cb13688d",
            "meta": {
                "drupal_internal__target_id": 46
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/vslo_built_in_cty_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/ae07483c-9863-4600-b23f-84c3eaec3d0b/relationships/vslo_built_in_cty_id"
            }
        }
    }
},

```

The results are all labelled by the relevant machine names as shown in the diagram above.

Vessel Version

To fetch vessel versions' data, make a GET request to the `/jsonapi/vessel_version/vessel_version` endpoint, authentication is not required for public vessel version data. The response will contain all data of vessel versions, including a `vsl_vslo_vessel_id` which refers to as vessel origin id.

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version'
```

This endpoint is represented by the white box in the diagram above with entity type `vessel_version`. It returns data about the vessel version id, vessel status, previous flags, previous names, vessel master,(s) vessel owner information, vessel freezer information, vessel authorization information and other stored data.

Endpoint: `/jsonapi/vessel_version/vessel_version`

```
{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_version--vessel_version",
      "id": "5ec1b676-a265-4108-ba31-dca1719ef35e",
      "links": {
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e"
        }
      },
      "attributes": {
        "drupal_internal__vsl_version_id": 2,
        "drupal_internal__vsl_version_vid": 65940,
        "langcode": "en",
        "vsl_revision_timestamp": "2022-06-20T07:24:49+00:00",
        "vsl_revision_log": null,
        "vsl_status": true,
        "vsl_vessel_name": "LU RONG YU SHUI 62",
        "vsl_created": "2010-04-14T21:52:51+00:00",

```

```

"vsl_changed": "2022-06-20T07:24:49+00:00",
"vsl_effective_to": "2022-06-20T07:24:49+00:00",
"vsl_vessel_active_status": "approved",
"vsl_version_sequence": 3,
"vsl_is_current": false,
"vsl_length": 34.5,
"vsl_length_type": "Registered",
"vsl_length_units": "Meters",
"vsl_moulded_depth": 3.3,
"vsl_depth_units": null,
"vsl_beam": 6.8,
"vsl_beam_units": null,
"vsl_tonnage": 189,
"vsl_tonnage_type": null,
"vsl_engine_power": 330,
"vsl_power_units": "kW",
"vsl_fishhold_capacity": 60,
"vsl_fishhold_cap_units": "metric_tons",
"vsl_highseas_trans_authorized": false,
"vsl_ps_at_sea_authorized": false,
"vsl_registration_number": "YG020I030174.07",
"vsl_ircs": "BBCY4",
"vsl_win": "BBCY4",
"vsl_previous_names": [],
"vsl_previous_flags": [],
"vsl_owner_name": "RONGCHENG CITY RONGYUAN FISHERY CO.,
LTD",
"vsl_owner_address": "Shawodao Renhe County Rongcheng
Shandong City CHINA",
"vsl_master_name": "WANG YU XIN",
"vsl_crew_count": 14,
"vsl_communications": "Inmarsat C: 441200030",
"vsl_deletion_reason": null,
"vsl_freezer_types": null,
"vsl_freezer_type_count": null,
"vsl_freezer_capacity": null,
"vsl_freezer_capacity_unit": null,
"vsl_auth_type": null,
"vsl_auth_area": "Western and central Pacific ocean",
"vsl_auth_from_date": null,
"vsl_auth_to_date": null,
"vsl_auth_target_species": "albacore",
"vsl_auth_number": "GH-0104(2007)Guoyu(gong)",
"vslo_built_in_year": "2003",
"vslo_imo_number": null,
"vslo_built_in_cty_id": "46",
"vslo_vessel_id": "1",
},

```

```

"relationships": {
  "vsl_revision_uid": {
    "data": {
      "type": "user--user",
      "id": "97d609ed-5ff0-40f0-a7a4-842137e59ab5",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_revision_uid"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/relationships/vsl_revision_uid"
      }
    }
  },
  "vsl_usr_id": {
    "data": {
      "type": "user--user",
      "id": "97d609ed-5ff0-40f0-a7a4-842137e59ab5",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_usr_id"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/relationships/vsl_usr_id"
      }
    }
  },
  "vsl_vslo_vessel_id": {
    "data": {
      "type": "vessel_origin--vessel_origin",
      "id": "ae07483c-9863-4600-b23f-84c3eaec3d0b",
      "meta": {

```

```

        "drupal_internal__target_id": 1
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_vslo_vessel_id"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/relationships/vsl_vslo_vessel_id"
        }
    },
    "vsl_flag_cty_id": {
        "data": {
            "type": "country--country",
            "id": "1da7047c-4c23-4746-8bfc-ad71cb13688d",
            "meta": {
                "drupal_internal__target_id": 46
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.cpfpc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_flag_cty_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/relationships/vsl_flag_cty_id"
            }
        }
    },
    "vsl_vty_id": {
        "data": null,
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_vty_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e

```

```

/relationships/vsl_vty_id"
    }
  },
  "vsl_submitted_by_ccm_pty_id": {
    "data": {
      "type": "party--party",
      "id": "164bb212-c5ed-47ef-b0f4-b782c9c3ca13",
      "meta": {
        "drupal_internal__target_id": 5
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e
/vsl_submitted_by_ccm_pty_id"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e
/relationships/vsl_submitted_by_ccm_pty_id"
      }
    }
  },
  "vsl_fgt_id": {
    "data": [
      {
        "type": "fishing_gear_type--
fishing_gear_type",
        "id": "0612f36a-7530-48e8-abf6-
1ecfa46064ea",
        "meta": {
          "drupal_internal__target_id": 32
        }
      }
    ],
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e
/vsl_fgt_id"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e
/relationships/vsl_fgt_id"
      }
    }
  }
}

```

```

    }
  },
  "vsl_master_nationality_cty_id": {
    "data": [
      {
        "type": "country--country",
        "id": "8dc9a3e0-426a-4725-b503-2bb4db63afea",
        "meta": {
          "drupal_internal__target_id": 46
        }
      }
    ],
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/552ad0a4-dae8-4941-a1c6-77222d8dd915/vsl_master_nationality_cty_id?resourceVersion=id%3A163412"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/552ad0a4-dae8-4941-a1c6-77222d8dd915/relationships/vsl_master_nationality_cty_id?resourceVersion=id%3A163412"
      }
    }
  },
  "vsl_reg_por_id": {
    "data": {
      "type": "port--port",
      "id": "846ec48c-2746-4e11-9e55-d8a68eed528e",
      "meta": {
        "drupal_internal__target_id": 309
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_reg_por_id"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/relationships/vsl_reg_por_id"
      }
    }
  },
  "vsl_photos": {

```

```

        "data": [
            {
                "type": "file--file",
                "id": "1cffe3df-c76f-466c-86ce-7fe9d4c2a328",
                "meta": {
                    "alt": null,
                    "title": null,
                    "width": 1500,
                    "height": 1051,
                    "drupal_internal__target_id": 1
                }
            },
            {
                "links": {
                    "related": {
                        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/vsl_photos"
                    },
                    "self": {
                        "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/5ec1b676-a265-4108-ba31-dca1719ef35e/relationships/vsl_photos"
                    }
                }
            }
        ],
    },
}

```

The results are all labelled by the relevant machine names as shown in the diagram above.

Vessel Charter

To fetch vessel charter data, make a GET request to the `/jsonapi/vessel_charter/vessel_charter` endpoint, authentication is not required for public vessel charter flag notification data. To get charter data related to host notification type authentication is required. The response will contain all data of vessel charters, including a `vch_vslo_vessel_id` which refers to as vessel origin id.

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter'
```

This endpoint is represented by the white box in the diagram above with entity type `vessel_charter`. It returns data about the chartering and chartered CCMS, Charterer name and address, charter start and end dates, the type of charter, the applicable area, and other stored data.

Endpoint: `/jsonapi/vessel_charter/vessel_charter`

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_charter--vessel_charter",
      "id": "4d373652-d144-46a6-9087-eeaa9e2eb533",
      "links": {
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533?resourceVersion=id%3A9476"
        }
      },
      "attributes": {
        "drupal_internal__vch_id": 36,
        "drupal_internal__vch_vid": 9476,
        "vch_revision_timestamp": "2022-07-11T00:33:20+00:00",
        "vch_revision_log": null,
        "vch_status": true,
        "vch_created": "2015-06-24T17:38:23+00:00",
        "vch_changed": "2016-03-02T11:49:08+00:00",
        "vch_charterer_name": "SOUTHERN SEAS INVESTMENT",
        "vch_charterer_address": null,
        "vch_charter_start_date": "2012-01-01",
        "vch_charter_end_date": "2012-12-31",
        "vch_charter_type": null,
        "vch_notification_type": "flag_ccm_notification",
        "vch_charter_area": null,
        "vch_notes": null,
        "vch_vessel_deleted": null
      },
      "relationships": {
        "vch_revision_uid": {
          "data": {
            "type": "user--user",
            "id": "ff30664f-bb18-4ea5-8ed9-9d4d90f3a589",
            "meta": {
              "drupal_internal__target_id": 1
            }
          }
        }
      }
    }
  ]
}

```

```

    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/vch_revision_uid?resourceVersion=id%3A9476"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/relationships/vch_revision_uid?resourceVersion=id%3A9476"
        }
    }
},
"vch_usr_id": {
    "data": {
        "type": "user--user",
        "id": "ff30664f-bb18-4ea5-8ed9-9d4d90f3a589",
        "meta": {
            "drupal_internal__target_id": 1
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/vch_usr_id?resourceVersion=id%3A9476"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/relationships/vch_usr_id?resourceVersion=id%3A9476"
        }
    }
},
"vch_vslo_vessel_id": {
    "data": {
        "type": "vessel_origin--vessel_origin",
        "id": "58c311c0-5dd1-4644-a1f2-ea909add4196",
        "meta": {
            "drupal_internal__target_id": 104
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/vch_vslo_vessel_id?resourceVersion=id%3A9476"
        }
    }
}

```

```

        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/relationships/vch_vslo_vessel_id?resourceVersion=id%3A9476"
        }
    },
    "vch_vsl_version_id": {
        "data": {
            "type": "vessel_version--vessel_version",
            "id": "19509b55-b2e8-4862-b2bb-faded95473ec",
            "meta": {
                "drupal_internal__target_id": 613
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/vch_vsl_version_id?resourceVersion=id%3A9476"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/relationships/vch_vsl_version_id?resourceVersion=id%3A9476"
            }
        }
    },
    "vch_chartering_ccm_pty_id": {
        "data": {
            "type": "party--party",
            "id": "e3768de9-19f2-496d-bcc6-86080e2c7192",
            "meta": {
                "drupal_internal__target_id": 22
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/vch_chartering_ccm_pty_id?resourceVersion=id%3A9476"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533
/relationships/vch_chartering_ccm_pty_id?resourceVersion=id%3A9476"
            }
        }
    }
}

```

```

    }
  },
  "vch_notified_by_pty_id": {
    "data": {
      "type": "party--party",
      "id": "missing",
      "meta": {
        "links": {
          "help": {
            "href": "https://www.drupal.org/docs/8/modules/json-api/core-concepts#missing",
            "meta": {
              "about": "Usage and meaning of the 'missing' resource identifier."
            }
          }
        }
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533/vch_notified_by_pty_id?resourceVersion=id%3A9476"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533/relationships/vch_notified_by_pty_id?resourceVersion=id%3A9476"
      }
    }
  },
  "vch_matched_vch_id": {
    "data": null,
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533/vch_matched_vch_id?resourceVersion=id%3A9476"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/4d373652-d144-46a6-9087-eeaa9e2eb533/relationships/vch_matched_vch_id?resourceVersion=id%3A9476"
      }
    }
  }
}

```

```

    },
  ],
  "links": {
    "next": {
      "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter?page%5Boffset%5D=50&page%5Blimit%5D=50"
    },
    "self": {
      "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter"
    }
  }
}

```

The results are all labelled by the relevant machine names as shown in the diagram above.

Vessel Fished/Not Fished Status

To fetch vessel fished / not fished status data, make a GET request to the `/jsonapi/vessel_fished/vessel_fished` endpoint, authentication is not required for public vessel Fished/Not Fished data. The response will contain all data of vessel Fished/Not Fished status, including a `afa_vslo_vessel_id` which refers to a vessel origin id.

```

curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished'

```

This endpoint is represented by the white box in the diagram above with entity type `vessel_fished`. It returns data about whether the vessel is confirmed, the year period that the data is related to, a reference to the party the vessel is submitted by, and other stored data.

Endpoint: `/jsonapi/vessel_fished/vessel_fished`

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_fished--vessel_fished",
      "id": "d4370ea6-f41a-4049-948d-0a99495c9df6",
      "links": {

```

```

        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6?
resourceVersion=id%3A101"
        }
    },
    "attributes": {
        "drupal_internal__afa_id": 1,
        "drupal_internal__afa_vid": 101,
        "afa_revision_timestamp": "2022-07-11T00:49:58+00:00",
        "afa_revision_log": null,
        "afa_status": true,
        "afa_created": "2009-12-10T16:11:40+00:00",
        "afa_changed": "2022-07-11T00:49:58+00:00",
        "afa_year": 2008,
        "afa_confirmed_fished_yn": false
    },
    "relationships": {
        "afa_revision_uid": {
            "data": {
                "type": "user--user",
                "id": "ff30664f-bb18-4ea5-8ed9-9d4d90f3a589",
                "meta": {
                    "drupal_internal__target_id": 1
                }
            },
            "links": {
                "related": {
                    "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/afa_revision_uid?resourceVersion=id%3A101"
                },
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/relationships/afa_revision_uid?resourceVersion=id%3A101"
                }
            }
        },
        "afa_usr_id": {
            "data": {
                "type": "user--user",
                "id": "ff30664f-bb18-4ea5-8ed9-9d4d90f3a589",
                "meta": {
                    "drupal_internal__target_id": 1
                }
            },
            "links": {

```

```

        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/afa_usr_id?resourceVersion=id%3A101"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/relationships/afa_usr_id?resourceVersion=id%3A101"
        }
    },
    "afa_vslo_vessel_id": {
        "data": {
            "type": "vessel_origin--vessel_origin",
            "id": "224b9183-e760-4ced-a18c-9e4cdc6d6731",
            "meta": {
                "drupal_internal__target_id": 173
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/afa_vslo_vessel_id?resourceVersion=id%3A101"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/relationships/afa_vslo_vessel_id?resourceVersion=id%3A101"
            }
        }
    },
    "afa_submitted_by_pty_id": {
        "data": {
            "type": "party--party",
            "id": "a3424997-ad28-430c-9be2-cc2bf7925ed2",
            "meta": {
                "drupal_internal__target_id": 12
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/afa_submitted_by_pty_id?resourceVersion=id%3A101"
            },
            "self": {

```

```

        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_fished/vessel_fished/d4370ea6-f41a-4049-948d-0a99495c9df6
/relationships/afa_submitted_by_pty_id?resourceVersion=id%3A101"
    }
    }
    }
    },
    "links": {
        "next": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished
/vessel_fished?page%5Boffset%5D=50&page%5Blimit%5D=50"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished
/vessel_fished"
        }
    }
}

```

The results are all labelled by the relevant machine names as shown in the diagram above.

Vessel MTU Register

To fetch vessel MTU register data, make a GET request to the `/jsonapi/vessel_mtu_register/vessel_mtu_register` endpoint, though note that authentication is required. The response will contain all data of vessel MTU register entities, including a `vmu_vslo_vessel_id` which refers to a vessel origin id.

```

curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_mtu_register
/vessel_mtu_register'
--header 'Authorization: Basic dGltLmpvbmVzOnRlc3Rpbmc='

```

Or

```

curl -X GET 'https://username:password@vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register'

```

This endpoint is represented by the white box in the diagram above with entity type `vessel_mtu_register`. It returns data about mobile transceiver units fitted in vessels.

Endpoint: `/jsonapi/vessel_mtu_register/vessel_mtu_register`

```

{
  "jsonapi": {

```

```

    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    },
    "data": {
      "type": "vessel_mtu_register--vessel_mtu_register",
      "id": "c842010d-8a5d-4352-916e-d3237a9ba88f",
      "links": {
        "self": {
          "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f?resourceVersion=id%3A5616"
        }
      },
      "attributes": {
        "drupal_internal__vmu_id": 5616,
        "drupal_internal__vmu_vid": 5616,
        "langcode": "en",
        "vmu_revision_timestamp": "2020-04-18T10:35:18+00:00",
        "vmu_revision_log": null,
        "vmu_status": true,
        "vmu_created": "2019-01-24T10:14:35+00:00",
        "vmu_changed": "2020-04-18T10:35:18+00:00",
        "vmu_equipment_id": "13129943",
        "vmu_network_id": "441201758",
        "vmu_activate": null,
        "vmu_dnid": "1549",
        "vmu_member_no": "146",
        "vmu_status_date": "2019-01-24",
        "moderation_state": "active"
      },
      "relationships": {
        "vmu_revision_uid": {
          "data": null,
          "links": {
            "self": {
              "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f/relationships/vmu_revision_uid?resourceVersion=id%3A5616"
            }
          }
        }
      },
      "vmu_usr_id": {

```

```

        "data": null,
        "links": {
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f/relationships/vmu_usr_id?resourceVersion=id%3A5616"
            }
        }
    },
    "vmu_vslo_vessel_id": {
        "data": {
            "type": "vessel_origin--vessel_origin",
            "id": "08f8bfae-b59c-4423-9299-f245e7e5b4d3",
            "meta": {
                "drupal_internal__target_id": 2
            }
        },
        "links": {
            "related": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f/vmu_vslo_vessel_id?resourceVersion=id%3A5616"
            },
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f/relationships/vmu_vslo_vessel_id?resourceVersion=id%3A5616"
            }
        }
    },
    "vmu_amt_id": {
        "data": {
            "type": "approved_mtu_type--approved_mtu_type",
            "id": "8f94a2ba-ee21-4d4a-85be-bc1aea9bb69a",
            "meta": {
                "drupal_internal__target_id": "41"
            }
        },
        "links": {
            "related": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f/vmu_amt_id?resourceVersion=id%3A5616"
            },
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f/relationships/vmu_amt_id?resourceVersion=id%3A5616"
            }
        }
    }
}

```

```

    }
  }
},
"links": {
  "self": {
    "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/vessel_mtu_register/c842010d-8a5d-4352-916e-
d3237a9ba88f"
  }
}
}

```

The results are all labelled by the relevant machine names as shown in the diagram above.

MTU Audit

To fetch MTU Audit data, make a GET request to the `/jsonapi/mtu_audit/mtu_audit` endpoint, though note that authentication is required. The response will contain all data of MTU Audit entities, including a `mai_vslo_vessel_id` which refers to a vessel origin id.

```

curl -X GET 'https://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit'
--header 'Authorization: Basic dGltLmpvbmVzOnRlc3Rpbmc='

```

Or

```

curl -X GET 'https://username:password@vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit'

```

This endpoint is represented by the white box in the diagram above with entity type `mtu_audit`. It returns data about audits of mobile transceiver units fitted in vessels.

Endpoint: `/jsonapi/mtu_audit/mtu_audit`

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  }
}

```

```

    },
    "data": {
      "type": "mtu_audit--mtu_audit",
      "id": "4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9",
      "links": {
        "self": {
          "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9?resourceVersion=id%3A1"
        }
      },
      "attributes": {
        "drupal_internal__mai_id": 1,
        "drupal_internal__mai_vid": 1,
        "langcode": "und",
        "mai_revision_timestamp": "2022-10-11T02:42:08+00:00",
        "mai_revision_log": null,
        "mai_status": true,
        "mai_created": "2022-10-11T02:42:08+00:00",
        "mai_changed": "2022-10-11T02:42:08+00:00",
        "mai_inspection_date": "2014-03-03",
        "mai_compliant_yn": true,
        "mai_auditor": "OCEAN ACE ENTERPRISE CORPORATION",
        "mai_notes": "OK"
      },
      "relationships": {
        "mai_revision_uid": {
          "data": null,
          "links": {
            "self": {
              "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/relationships/vmu_revision_uid?resourceVersion=id%3A1"
            }
          }
        },
        "mai_usr_id": {
          "data": null,
          "links": {
            "self": {
              "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/relationships/mai_usr_id?resourceVersion=id%3A1"
            }
          }
        },
        "mai_vslo_vessel_id": {
          "data": {
            "type": "vessel_origin--vessel_origin",

```

```

        "id": "a2894d7b-e2f6-4a54-bf2e-3df78a8f1b52",
        "meta": {
            "drupal_internal__target_id": 1251
        }
    },
    "links": {
        "related": {
            "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9
/mai_vslo_vessel_id?resourceVersion=id%3A1"
        },
        "self": {
            "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/relationships
/mai_vslo_vessel_id?resourceVersion=id%3A1"
        }
    }
},
    "mai_vmu_id": {
        "data": {
            "type": "vessel_mtu_register--vessel_mtu_register",
            "id": "26fcab63-afa3-427a-837b-3c6f9f39de90",
            "meta": {
                "drupal_internal__target_id": 4625
            }
        },
        "links": {
            "related": {
                "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/mai_vmu_id?
resourceVersion=id%3A1"
            },
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/relationships
/mai_vmu_id?resourceVersion=id%3A1"
            }
        }
    },
    "mai_amt_id": {
        "data": {
            "type": "approved_mtu_type--approved_mtu_type",
            "id": "205afe9a-45d0-4249-881c-acf4d083eac4",
            "meta": {
                "drupal_internal__target_id": "15"
            }
        },
        "links": {

```

```

        "related": {
            "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/mai_amt_id?
resourceVersion=id%3A1"
        },
        "self": {
            "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/relationships
/mai_amt_id?resourceVersion=id%3A1"
        }
    },
    "mai_certificate": {
        "data": [],
        "links": {
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9/relationships
/mai_certificate?resourceVersion=id%3A1"
            }
        }
    }
},
"links": {
    "self": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit
/mtu_audit/4a605ec6-c0fd-46a5-aa7b-19dfde8cbff9"
    }
}
}

```

The results are all labelled by the relevant machine names as shown in the diagram above.

Fetch the current RFV list

Fetches the latest version of all the currently active vessels on the RFV.

It will use two sets of filtering groups:

Group 1 (group1-ex1), condition is: field vsl_vessel_active_status = active

path: "vsl_vessel_active_status"

operator: "="

value: "active"

Group 2 (group2-ex1) condition is: vsl_is_current = 1

path: "vsl_is_current"

operator: "="

value: "1"

So the filter query may look like this:

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version
/vessel_version?filter[group1-ex1][condition][path]
=vsl_vessel_active_status&filter[group1-ex1][condition][operator]
==&filter[group1-ex1][condition][value]=active&filter[group2-ex1]
[condition][path]=vsl_is_current&filter[group2-ex1][condition][operator]
==&filter[group2-ex1][condition][value]=1'
```

The field names that are used/available for filtering are the same as what is returned in the response of an unfiltered request except fields prefixed with "vslo_" (vslo_built_in_year, vslo_imo_number, vslo_built_in_cty_id, vslo_vessel_id) as these fields are derived from vessel origin entity. To filter the data based on "vslo_" prefixed fields, use vsl_vslo_vessel_id.prefixed_field_name as the filter path parameter (example vsl_vslo_vessel_id.vslo_imo_number).

The results of the query are as follows:

```
{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_version--vessel_version",
      "id": "467c6473-638c-4af3-8b3d-e9f3208b925f",
      "links": {
        "self": {
```

```

        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f?resourceVersion=id%
3A59933"
    }
},
"attributes": {
    "drupal_internal__vsl_version_id": 34841,
    "drupal_internal__vsl_version_vid": 59933,
    "langcode": "en",
    "vsl_revision_timestamp": "2022-10-11T01:14:58+00:00",
    "vsl_revision_log": null,
    "vsl_status": true,
    "vsl_vessel_name": "UGAVI DOS",
    "vsl_created": "2014-07-16T03:49:08+00:00",
    "vsl_changed": "2022-10-11T01:14:58+00:00",
    "vsl_effective_to": null,
    "vsl_vessel_active_status": "active",
    "vsl_version_sequence": 8,
    "vsl_is_current": true,
    "vsl_length": 77.4,
    "vsl_length_type": "loa",
    "vsl_length_units": "m",
    "vsl_moulded_depth": 6.65,
    "vsl_depth_units": "m",
    "vsl_beam": 13.6,
    "vsl_beam_units": "m",
    "vsl_tonnage": 2165,
    "vsl_tonnage_type": "GT",
    "vsl_engine_power": 4400,
    "vsl_power_units": "hp",
    "vsl_fishhold_capacity": 1881,
    "vsl_fishhold_cap_units": "metric_tons",
    "vsl_highseas_trans_authorized": false,
    "vsl_ps_at_sea_authorized": "not_applicable",
    "vsl_registration_number": "P-04-0749",
    "vsl_ircs": "HC4593",
    "vsl_win": "HC4593",
    "vsl_previous_names": "ALBACORA DIECISEIS",
    "vsl_previous_flags": "Vanuatu",
    "vsl_owner_name": "UNIOCEAN S.A.",
    "vsl_owner_address": "Manta, St. 12 -13 Av. 2 building
Pichincha Bank. Floor 8 Office 802.",
    "vsl_master_name": "ANDONI URIONDO",
    "vsl_crew_count": 27,
    "vsl_communications": "Iridium:00881621417968Fleet Broad band:
00 870 773 160 11300 870 773 186 383",
    "vsl_deletion_reason": null,
    "vsl_freezer_types": "BRINE",

```

```

    "vsl_freezer_type_count": "8 -10",
    "vsl_freezer_capacity": null,
    "vsl_freezer_capacity_unit": null,
    "vsl_is_not_authorized_by_flag": null,
    "vsl_auth_type": "Fishing Permit",
    "vsl_auth_area": "Kiribati EEZ",
    "vsl_auth_from_date": "2013-04-04",
    "vsl_auth_to_date": "2014-04-03",
    "vsl_auth_target_species": "Tuna or tuna like species",
    "vsl_auth_number": "DRP-2012-066-AT",
    "vslo_built_in_year": "1982",
    "vslo_imo_number": "8206301",
    "vslo_built_in_cty_id": "66",
    "vslo_vessel_id": "8902"
  },
  "relationships": {
    "vsl_revision_uid": {
      "data": null,
      "links": {
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships
/vsl_revision_uid?resourceVersion=id%3A59933"
        }
      }
    },
    "vsl_usr_id": {
      "data": null,
      "links": {
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships
/vsl_usr_id?resourceVersion=id%3A59933"
        }
      }
    },
    "vsl_vslo_vessel_id": {
      "data": {
        "type": "vessel_origin--vessel_origin",
        "id": "5908c769-13f8-42a6-8037-5836ee0356c3",
        "meta": {
          "drupal_internal__target_id": 8902
        }
      },
      "links": {
        "related": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_vslo_vessel_id?

```

```

resourceVersion=id%3A59933"
    },
    "self": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships
/vsl_vslo_vessel_id?resourceVersion=id%3A59933"
    }
},
"vsl_flag_cty_id": {
    "data": {
        "type": "country--country",
        "id": "453bdc7b-08e3-4383-a284-81af18c0ac63",
        "meta": {
            "drupal_internal__target_id": 61
        }
    },
    "links": {
        "related": {
            "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_flag_cty_id?
resourceVersion=id%3A59933"
        },
        "self": {
            "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships
/vsl_flag_cty_id?resourceVersion=id%3A59933"
        }
    },
    "vsl_vty_id": {
        "data": {
            "type": "vessel_type--vessel_type",
            "id": "a77913bd-d902-4cb5-8179-8fd8070da316",
            "meta": {
                "drupal_internal__target_id": 15
            }
        },
        "links": {
            "related": {
                "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_vty_id?
resourceVersion=id%3A59933"
            },
            "self": {
                "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships
/vsl_vty_id?resourceVersion=id%3A59933"
            }
        }
    }
}

```

```

    }
  },
  "vsl_submitted_by_ccm_pty_id": {
    "data": {
      "type": "party--party",
      "id": "2f3b72fe-69b5-49d7-a57f-381a353574e7",
      "meta": {
        "drupal_internal__target_id": 36
      }
    },
    "links": {
      "related": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_submitted_by_ccm_pty_id?resourceVersion=id%3A59933"
      },
      "self": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships/vsl_submitted_by_ccm_pty_id?resourceVersion=id%3A59933"
      }
    }
  },
  "vsl_fgt_id": {
    "data": [
      {
        "type": "fishing_gear_type--fishing_gear_type",
        "id": "109b519f-d641-44e4-a3ca-73986ce33d5d",
        "meta": {
          "drupal_internal__target_id": 6
        }
      }
    ],
    "links": {
      "related": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_fgt_id?resourceVersion=id%3A59933"
      },
      "self": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships/vsl_fgt_id?resourceVersion=id%3A59933"
      }
    }
  },
  "vsl_master_nationality_cty_id": {

```

```

    "data": [
      {
        "type": "country--country",
        "id": "453bdc7b-08e3-4383-a284-81af18c0ac63",
        "meta": {
          "drupal_internal__target_id": 61
        }
      }
    ],
    "links": {
      "related": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_master_nationality_cty_id?resourceVersion=id%3A59933"
      },
      "self": {
        "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships/vsl_master_nationality_cty_id?resourceVersion=id%3A59933"
      }
    },
    "vsl_reg_por_id": {
      "data": {
        "type": "port--port",
        "id": "12821f9d-1ee6-4e26-8306-a14340b4d35a",
        "meta": {
          "drupal_internal__target_id": 435
        }
      },
      "links": {
        "related": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/vsl_reg_por_id?resourceVersion=id%3A59933"
        },
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships/vsl_reg_por_id?resourceVersion=id%3A59933"
        }
      }
    },
    "vsl_photos": {
      "data": [],
      "links": {
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version

```

```

/vessel_version/467c6473-638c-4af3-8b3d-e9f3208b925f/relationships
/vsl_photos?resourceVersion=id%3A59933"
    }
  }
}
},
"links": {
  "next": {
    "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version?filter%5Bgroup1-ex3%5D%5Bcondition%5D%5Bpath%
5D=vsl_vessel_active_status&filter%5Bgroup1-ex3%5D%5Bcondition%5D%
5Boperator%5D=%3D&filter%5Bgroup1-ex3%5D%5Bcondition%5D%5Bvalue%
5D=active&filter%5Bgroup2-ex3%5D%5Bcondition%5D%5Bpath%
5D=vsl_is_current&filter%5Bgroup2-ex3%5D%5Bcondition%5D%5Boperator%5D=%
3D&filter%5Bgroup2-ex3%5D%5Bcondition%5D%5Bvalue%5D=1&page%5Boffset%
5D=1&page%5Blimit%5D=1"
  },
  "self": {
    "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version?filter%5Bgroup1-ex3%5D%5Bcondition%5D%5Bpath%
5D=vsl_vessel_active_status&filter%5Bgroup1-ex3%5D%5Bcondition%5D%
5Boperator%5D=%3D&filter%5Bgroup1-ex3%5D%5Bcondition%5D%5Bvalue%
5D=active&filter%5Bgroup2-ex3%5D%5Bcondition%5D%5Bpath%
5D=vsl_is_current&filter%5Bgroup2-ex3%5D%5Bcondition%5D%5Boperator%5D=%
3D&filter%5Bgroup2-ex3%5D%5Bcondition%5D%5Bvalue%5D=1&page%5Blimit%5D=1"
  }
}
}
}

```

Pagination

Pagination using JSON:API is defaulted to 50 items per page. When the total number of items is more than 50; an item **links** appears at the bottom of the JSON response with 4 sub items: **self**, **next**, **first** and **prev**.

- **self**: links to the current json page.
- **next**: links to the next page of results. (Last page won't have **next** attribute).
- **first**: links to the first page of results. (First page won't have **first** attribute).
- **prev**: links to the previous page of results. (First page won't have **prev** attribute).

```
"links": {
  "first": {
    "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_version/vessel_version?page%5Boffset%5D=0&page%5Blimit%5D=50"
  },
  "next": {
    "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_version/vessel_version?page%5Boffset%5D=100&page%5Blimit%5D=50"
  },
  "prev": {
    "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_version/vessel_version?page%5Boffset%5D=0&page%5Blimit%5D=50"
  },
  "self": {
    "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_version/vessel_version?page%5Boffset%5D=50&page%5Blimit%5D=50"
  }
}
```

Further details about pagination using JSONAPI:

<https://jsonapi.org/format/#fetching-pagination>

Filtering

- [Filtering basics](#)
- [Example: Fetch all the active vessel versions](#)
- [Example: Fetch all the current active vessel versions](#)
- [Example: Fetch vessel_origin data where IMO number is "8662634".](#)
- [Example: Fetch all the vessel versions based on vessel origin ID](#)
- [Example: Fetch all the vessel versions where the vessel_origin IMO number is "8662634".](#)
- [Example: Fetch all active charters with the vessel origin "11827".](#)
- [Example: Fetch charters currently in progress.](#)
- [Example: Fetch active charters for a given year.](#)
- [Example: Fetch fished/not fished status for vessel origin "11827" in a given year \(2021\).](#)
- [Example: Fetch all vessel fished/not fished with the status of "Fished" in a given year \(2021\).](#)
- [Example: Fetch vessel MTU register details for a WCPFC vessel ID.](#)
- [Example: Fetch MTU audits for a specific WCPFC vessel ID.](#)

Filtering basics

The below examples outline the syntax to query JSON:API endpoints using filters.

For more advanced filtering refer to <https://www.drupal.org/docs/8/modules/json-api/filtering>.

The fundamental building blocks of JSON:API's filters are *conditions* and *groups*. Conditions assert that something is true and groups let you compose those assertions into logical sets to make bigger condition groups

A condition has 3 primary parts: a path, an operator and a value.

1. A 'path' identifies a field on a resource (catalogue record)
2. An 'operator' is a method of comparison
3. A 'value' is the thing you compare against

A group combines all of these conditions.

The field names that are used/available for filtering are the same as what is returned in the response of an unfiltered request except fields prefixed with "vslo_" (vslo_built_in_year, vslo_imo_number, vslo_built_in_cty_id, vslo_vessel_id) as these fields are derived from vessel origin entity. To filter the data based on "vslo_" prefixed fields, use vsl_vslo_vessel_id.prefixed_field_name as the filter path parameter (example vsl_vslo_vessel_id.vsl_imo_number).

Filters can also be based on values of related entities. In order to filter by the value of a related entity, you are instead required to use the syntax in the filter parameter of "*field_xyz.field_to_filter_by_on_referenced_entity*". Note the . (dot) between the name of the field on the initial entity and the name of the field of the referenced entity. The fields available on the referenced entity will depend on the type of entity that is being referenced (refer to attached relationship diagram).

Example: Fetch all the active vessel versions

Fetching data of all active vessel versions:

Group 1 (group1-ex2), condition is: field vsl_vessel_active_status = active

path: "vsl_vessel_active_status"

operator: "="

value: "active"

So the query may look like:

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version
/vessel_version?filter[group1-ex2][condition][path]
=vsl_vessel_active_status&filter[group1-ex2][condition][operator]
==&filter[group1-ex2][condition][value]=active'
```

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_version--vessel_version",
      "id": "f9f2bdad-da87-422e-a91f-59e4db02b112",
      "links": {
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112"
        }
      },
      "attributes": {
        "drupal_internal__vsl_version_id": 1,
        "drupal_internal__vsl_version_vid": 151885,
        "langcode": "en",
        "vsl_revision_timestamp": "2022-06-21T01:52:59+00:00",
        "vsl_revision_log": null,
        "vsl_status": true,
        "vsl_vessel_name": "LU RONG YU SHUI 62",
        "vsl_created": "2009-09-17T05:29:58+00:00",
        "vsl_changed": "2022-06-21T01:52:59+00:00",
        "vsl_effective_to": "2022-06-20",
        "vsl_vessel_active_status": "active",
        "vsl_version_sequence": 1,
        "vsl_is_current": false,
        "vsl_length": 34.5,
        "vsl_length_type": "Overall",
        "vsl_length_units": null,
        "vsl_moulded_depth": 3.3,
        "vsl_depth_units": null,
        "vsl_beam": 6.8,
        "vsl_beam_units": null,
        "vsl_tonnage": 189,
        "vsl_tonnage_type": null,
        "vsl_engine_power": 330,
        "vsl_power_units": "kW",
        "vsl_fishhold_capacity": 60,
        "vsl_fishhold_cap_units": "metric_tons",

```

```

        "vsl_highseas_trans_authorized": null,
        "vsl_ps_at_sea_authorized": null,
        "vsl_registration_number": "YG020I030174.07",
        "vsl_ircs": "BBCY4",
        "vsl_win": "BBCY4",
        "vsl_previous_names": [],
        "vsl_previous_flags": [],
        "vsl_owner_name": "RONGCHENG CITY RONGYUAN FISHERY CO.,
LTD",
        "vsl_owner_address": "Shawodao Renhe County Rongcheng
Shandong City CHINA",
        "vsl_master_name": "WANG YU XIN",
        "vsl_crew_count": 14,
        "vsl_communications": "Inmarsat C: 441200030",
        "vsl_deletion_reason": null,
        "vsl_freezer_types": null,
        "vsl_freezer_type_count": null,
        "vsl_freezer_capacity": null,
        "vsl_freezer_capacity_unit": null,
        "vsl_auth_type": null,
        "vsl_auth_area": "Western and central Pacific ocean",
        "vsl_auth_from_date": null,
        "vsl_auth_to_date": null,
        "vsl_auth_target_species": "albacore",
        "vsl_auth_number": "GH-0104(2007)Guoyu(gong)",
        "vslo_built_in_year": "2003",
        "vslo_imo_number": null,
        "vslo_built_in_cty_id": "46",
        "vslo_vessel_id": "1"
    },
    "relationships": {
        "vsl_revision_uid": {
            "data": {
                "type": "user--user",
                "id": "97d609ed-5ff0-40f0-a7a4-842137e59ab5",
                "meta": {
                    "drupal_internal__target_id": 1
                }
            },
            "links": {
                "related": {
                    "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_revision_uid"
                },
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112

```

```

/relationships/vsl_revision_uid"
    }
  },
  "vsl_usr_id": {
    "data": {
      "type": "user--user",
      "id": "97d609ed-5ff0-40f0-a7a4-842137e59ab5",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_usr_id"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/relationships/vsl_usr_id"
      }
    }
  },
  "vsl_vslo_vessel_id": {
    "data": {
      "type": "vessel_origin--vessel_origin",
      "id": "ae07483c-9863-4600-b23f-84c3eaec3d0b",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_vslo_vessel_id"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/relationships/vsl_vslo_vessel_id"
      }
    }
  },
  "vsl_flag_cty_id": {
    "data": {

```

```

        "type": "country--country",
        "id": "1da7047c-4c23-4746-8bfc-ad71cb13688d",
        "meta": {
            "drupal_internal__target_id": 46
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112/vsl_flag_cty_id"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112/relationships/vsl_flag_cty_id"
        }
    }
},
"vsl_vty_id": {
    "data": {
        "type": "vessel_type--vessel_type",
        "id": "72d3d570-7d0e-43ea-a735-075b7230d6bb",
        "meta": {
            "drupal_internal__target_id": 32
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112/vsl_vty_id"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112/relationships/vsl_vty_id"
        }
    }
},
"vsl_submitted_by_ccm_pty_id": {
    "data": {
        "type": "party--party",
        "id": "164bb212-c5ed-47ef-b0f4-b782c9c3ca13",
        "meta": {
            "drupal_internal__target_id": 5
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112/vsl_submitted_by_ccm_pty_id"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112/relationships/vsl_submitted_by_ccm_pty_id"
        }
    }
}

```

```

        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_submitted_by_ccm_pty_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/relationships/vsl_submitted_by_ccm_pty_id"
            }
        },
        "vsl_fgt_id": {
            "data": [
                {
                    "type": "fishing_gear_type--
fishing_gear_type",
                    "id": "0612f36a-7530-48e8-abf6-
1ecfa46064ea",
                    "meta": {
                        "drupal_internal__target_id": 32
                    }
                }
            ],
            "links": {
                "related": {
                    "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_fgt_id"
                },
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/relationships/vsl_fgt_id"
                }
            }
        },
        "vsl_master_nationality_cty_id": {
            "data": [
                {
                    "type": "country--country",
                    "id": "8dc9a3e0-426a-4725-b503-2bb4db63afea",
                    "meta": {
                        "drupal_internal__target_id": 46
                    }
                }
            ],

```

```

        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/552ad0a4-dae8-4941-a1c6-77222d8dd915
/vsl_master_nationality_cty_id?resourceVersion=id%3A163412"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/552ad0a4-dae8-4941-a1c6-77222d8dd915
/relationships/vsl_master_nationality_cty_id?resourceVersion=id%
3A163412"
            }
        }
    },
    "vsl_reg_por_id": {
        "data": {
            "type": "port--port",
            "id": "846ec48c-2746-4e11-9e55-d8a68eed528e",
            "meta": {
                "drupal_internal__target_id": 309
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_reg_por_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/relationships/vsl_reg_por_id"
            }
        }
    },
    "vsl_photos": {
        "data": [],
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/vsl_photos"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_version/vessel_version/f9f2bdad-da87-422e-a91f-59e4db02b112
/relationships/vsl_photos"
            }
        }
    }
}

```

```
}  
}  
},  
}
```

Example: Fetch all the current active vessel versions

Fetching data of all current active vessel versions:

Group 1 (group1-ex3), condition is: field vsl_vessel_active_status = active

path: "vsl_vessel_active_status"

operator: "="

value: "active"

Group 2 (group2-ex3) condition is: vsl_is_current = 1

path: "vsl_is_current"

operator: "="

value: "1"

So the filter query may look like:

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version  
/vessel_version?filter[group1-ex3][condition][path]  
=vsl_vessel_active_status&filter[group1-ex3][condition][operator]  
==&filter[group1-ex3][condition][value]=active&filter[group2-ex3]  
[condition][path]=vsl_is_current&filter[group2-ex3][condition][operator]  
==&filter[group2-ex3][condition][value]=1'
```

Example: Fetch vessel_origin data where IMO number is "8662634".

Note that we have got only one group here, let's call it *ex-group1* and the condition is: *vslo_imo_number* is 8662634, breaking this down:

path: "vslo_imo_number"

operator: "="

value: "8662634"

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_origin  
/vessel_origin?filter[ex-group1][condition][path]=vslo_imo_number&filter  
[ex-group1][condition][operator]==&filter[ex-group1][condition][value]  
=8662634'
```

The results of the query are as follows:

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_origin--vessel_origin",
      "id": "864c3e72-d2e2-466e-8d5b-be0b205d5136",
      "links": {
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136"
        }
      },
      "attributes": {
        "drupal_internal__vslo_vessel_id": 7,
        "drupal_internal__vslo_vessel_vid": 11868,
        "langcode": "en",
        "vslo_revision_timestamp": "2022-06-20T19:59:08+00:00",
        "vslo_revision_log": null,
        "vslo_status": true,
        "vslo_vessel_name": "QING YUAN YU 004",
        "vslo_created": "2021-10-15T02:36:46+00:00",
        "vslo_changed": "2022-06-20T19:59:08+00:00",
        "vslo_built_in_year": null,
        "vslo_imo_number": "8662634"
      },
      "relationships": {
        "vslo_revision_uid": {
          "data": {
            "type": "user--user",
            "id": "53cd3c1e-4b0d-4514-be4d-1530471e42b7",
            "meta": {
              "drupal_internal__target_id": 0
            }
          },
          "links": {
            "related": {
              "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136/vslo_revision_uid"
            }
          }
        }
      }
    }
  ]
}

```

```

        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi
/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136
/relationships/vslo_revision_uid"
        }
    },
    "vslo_usr_id": {
        "data": {
            "type": "user--user",
            "id": "97d609ed-5ff0-40f0-a7a4-842137e59ab5",
            "meta": {
                "drupal_internal__target_id": 1
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136
/vslo_usr_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136
/relationships/vslo_usr_id"
            }
        }
    },
    "vslo_current_vsl_version_id": {
        "data": {
            "type": "vessel_version--vessel_version",
            "id": "cf4f6997-836b-4945-99f8-7306714d69c1",
            "meta": {
                "drupal_internal__target_id": 82950
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136
/vslo_current_vsl_version_id"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi
/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136
/relationships/vslo_current_vsl_version_id"
            }
        }
    }
}

```

```

    },
    "vslo_built_in_cty_id": {
      "data": {
        "type": "country--country",
        "id": "a061db46-325c-455d-b69a-4ec1a0adc891",
        "meta": {
          "drupal_internal__target_id": 218
        }
      },
      "links": {
        "related": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136/vslo_built_in_cty_id"
        },
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin/864c3e72-d2e2-466e-8d5b-be0b205d5136/relationships/vslo_built_in_cty_id"
        }
      }
    }
  },
  "links": {
    "self": {
      "href": "https://vessels.wcpfc.int/jsonapi/vessel_origin/vessel_origin?filter%5Bex-group1%5D%5Bcondition%5D%5Bpath%5D=vslo_imo_number&filter%5Bex-group1%5D%5Bcondition%5D%5Boperator%5D=%3D&filter%5Bex-group1%5D%5Bcondition%5D%5Bvalue%5D=8662634"
    }
  }
}

```

Example: Fetch all the vessel versions based on vessel origin ID

Fetching data of all the vessel versions of specific vessel id:

Group 1 (group1-ex4), condition is: field vs1_vslo_vessel_id.vslo_vessel_id= 5

path: "vs1_vslo_vessel_id.vslo_vessel_id"

operator: "="

value: "5"

So the filter query may look like:

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version
/vessel_version?filter[group1-ex4][condition][path]=vsl_vslo_vessel_id.
vslo_vessel_id&filter[group1-ex4][condition][operator]==&filter[group1-
ex4][condition][value]=5'
```

This will return all the versions of the vessel with id 5.

Example: Fetch all the vessel versions where the vessel_origin IMO number is “8662634”.

Note that in this case we are filtering on the value of a related entity (vessel_origin) rather than on the base entity type we are fetching (vessel_version) so we use the . (dot) notation in the filter path.

path: “vsl_vslo_vessel_id.vslo_imo_number”

operator: “=”

value: “8662634”

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version
/vessel_version?filter[ex-group1][condition][path]=vsl_vslo_vessel_id.
vslo_imo_number&filter[ex-group1][condition][operator]==&filter[ex-
group1][condition][value]=8662634'
```

Example: Fetch all active charters with the vessel origin “11827”.

Active charters can be current and the charters in the future.

This example has 2 filters:

- 1) The end date is in the future.
- 2) The vessel has not been deleted from the register since the charter record was recorded. This is identified by the vch_vessel_deleted flag on the charter record.
- 3) The vch_vslo_vessel_id field is 11827.

It is important to note the use of dot notation and vslo_vessel_id added to filter against the internal entity id.

Filter 1:

path: “vch_vslo_vessel_id.vslo_vessel_id”

operator: “=”

value: “11827”

Filter 2:

path: “vch_charter_end_date”

operator: “>=”

value: “2022-08-09”

Filter 3:

path: “vch_vessel_deleted”

operator: “<>”

value: 1

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter?filter[ex-group1][condition][path]=vch_vslo_vessel_id.
vslo_vessel_id&filter[ex-group1][condition][operator]==&filter[ex-
group1][condition][value]=11827&filter[ex-group2][condition][path]
=vch_charter_end_date&filter[ex-group2][condition][operator]=>=&filter
[ex-group2][condition][value]=2022-08-01&filter[ex-group3][condition]
[path]=vch_vessel_deleted&filter[ex-group3][condition][operator]
=<=&filter[ex-group3][condition][value]=1
```

Example: Fetch charters currently in progress.

To fetch charters currently in progress, the current date must be greater than the start date and less than the end date.

Plus, the vessel must not have been deleted from the register since the charter record was recorded. This is identified by the vch_vessel_deleted flag on the charter record.

Filter 1:

path: "vch_charter_start_date"
operator: "<="
value: "2022-08-09"

Filter 2:

path: "vch_charter_end_date"
operator: ">="
value: "2022-08-09"

Filter 3:

path: "vch_vessel_deleted"
operator: "IS NULL"

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter?filter[ex-group1][condition][path]
=vch_charter_start_date&filter[ex-group1][condition][operator]<=&filter
[ex-group1][condition][value]=2022-08-09&filter[ex-group2][condition]
[path]=vch_charter_end_date&filter[ex-group2][condition][operator]
=>=&filter[ex-group2][condition][value]=2022-08-09&filter[ex-group3]
[condition][path]=vch_vessel_deleted&filter[ex-group3][condition]
[operator]=IS NULL
```

Example: Fetch active charters for a given year.

To fetch charters active in 2021, the filters must be in two groups. A group is a set of conditions joined by a "conjunction." **All groups have conjunctions and a conjunction is either AND or OR.**

To add a group:

```
?filter[charter-vessel-status][group][conjunction]=OR
```

Group 1

- 1) The start of the charter is less than the end of the year 2021, AND
- 2) the end of the charter is greater than the start of the year of 2021

Group 2

- 3) the vessel deleted is NULL, OR
- 4) the vessel deleted is greater than the start of the year 2021. The date has to be in UNIX timestamp.

Group 1 Filter 1:

path: "vch_charter_start_date"

operator: "<="

value: "2021-12-31"

Group 1 Filter 2:

path: "vch_charter_end_date"

operator: ">="

value: "2021-01-01"

Group 2 Filter 1:

path: "vch_vessel_deleted"

operator: ">="

value: "1609459200"

memberOf: charter-vessel-status

Group 2 Filter 2:

path: "vch_vessel_deleted"

operator: "IS NULL"

memberOf: charter-vessel-status

Note: Every filter without a memberOf key is assumed to be part of a "root" group with a conjunction of AND.

All together now:

```
?filter[ charter-vessel-status ][group][conjunction]=OR

&filter[group1-filter1][condition][path]=vch_charter_start_date
&filter[group1-filter1][condition][operator]=<=
&filter[group1-filter1][condition][value]=2021-12-31

&filter[group1-filter2][condition][path]=vch_charter_end_date
&filter[group1-filter2][condition][operator]=>=
&filter[group1-filter2][condition][value]=2021-01-01

&filter[group2-filter1][condition][path]=vch_vessel_deleted
&filter[group2-filter1][condition][operator]=>=
&filter[group2-filter1][condition][value]=1609459200
&filter[group2-filter1][condition][memberOf]=charter-vessel-status

&filter[group2-filter2][condition][path]=vch_vessel_deleted
&filter[group2-filter2][condition][operator]=IS NULL
&filter[group2-filter2][condition][memberOf]=charter-vessel-status
```

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter?filter[ charter-vessel-status ][group][conjunction]=OR
&filter[group1-filter1][condition][path]=vch_charter_start_date&filter
[group1-filter1][condition][operator]=<=&filter[group1-filter1]
[condition][value]=2021-12-31
&filter[group1-filter2][condition][path]=vch_charter_end_date&filter
[group1-filter2][condition][operator]=>=&filter[group1-filter2]
[condition][value]=2021-01-01
&filter[group2-filter1][condition][path]=vch_vessel_deleted&filter
[group2-filter1][condition][operator]=>=&filter[group2-filter1]
[condition][value]=1609459200&filter[group2-filter1][condition]
[memberOf]=charter-vessel-status
&filter[group2-filter2][condition][path]=vch_vessel_deleted&filter
[group2-filter2][condition][operator]=IS NULL&filter[group2-filter2]
[condition][memberOf]=charter-vessel-status
```

Sample results from the about curl request, limited to one entity:

```
{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
```

```

        "self": {
            "href": "http://jsonapi.org/format/1.0/"
        }
    },
    "data": [
        {
            "type": "vessel_charter--vessel_charter",
            "id": "e39345d8-ff4d-46b7-b328-7755dc4e6ee3",
            "links": {
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3?resourceVersion=id%3A15358"
                }
            },
            "attributes": {
                "drupal_internal__vch_id": 3640,
                "drupal_internal__vch_vid": 15358,
                "vch_revision_timestamp": "2022-08-11T05:12:49+00:00",
                "vch_revision_log": null,
                "vch_status": true,
                "vch_created": "2020-12-30T14:23:54+00:00",
                "vch_changed": "2020-12-30T14:23:54+00:00",
                "vch_charterer_name": "Marshall Islands Fishing Venture, Inc",
                "vch_charterer_address": null,
                "vch_charter_start_date": "2021-01-01",
                "vch_charter_end_date": "2021-05-05",
                "vch_charter_type": "ccm_flagged",
                "vch_notification_type": "host_ccm_notification",
                "vch_charter_area": "EEZs and HS",
                "vch_notes": null,
                "vch_vessel_deleted": null
            },
            "relationships": {
                "vch_revision_uid": {
                    "data": {
                        "type": "user--user",
                        "id": "af0aafe7-2631-459a-9d6a-0794e193560d",
                        "meta": {
                            "drupal_internal__target_id": 1
                        }
                    },
                    "links": {
                        "related": {
                            "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/vch_revision_uid?"
                        }
                    }
                }
            }
        }
    ]
}

```

```

resourceVersion=id%3A15358"
    },
    "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_revision_uid?resourceVersion=id%3A15358"
    }
    },
    "vch_usr_id": {
        "data": {
            "type": "user--user",
            "id": "af0aafe7-2631-459a-9d6a-0794e193560d",
            "meta": {
                "drupal_internal__target_id": 1
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/vch_usr_id?
resourceVersion=id%3A15358"
            },
            "self": {
                "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_usr_id?resourceVersion=id%3A15358"
            }
        },
        "vch_vslo_vessel_id": {
            "data": {
                "type": "vessel_origin--vessel_origin",
                "id": "33f8cd35-06d8-4228-ac44-58f70d645326",
                "meta": {
                    "drupal_internal__target_id": 11542
                }
            },
            "links": {
                "related": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/vch_vslo_vessel_id?
resourceVersion=id%3A15358"
                },
                "self": {
                    "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_vslo_vessel_id?resourceVersion=id%3A15358"
                }
            }
        }
    }
}

```

```

    }
  },
  "vch_vsl_version_id": {
    "data": {
      "type": "vessel_version--vessel_version",
      "id": "ba16e381-0ac2-4f9e-834d-b81fc094aa7c",
      "meta": {
        "drupal_internal__target_id": 77591
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/vch_vsl_version_id?
resourceVersion=id%3A15358"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_vsl_version_id?resourceVersion=id%3A15358"
      }
    }
  },
  "vch_chartering_ccm_pty_id": {
    "data": {
      "type": "party--party",
      "id": "7d967a4a-6d41-4b61-bb23-dd587cb61c83",
      "meta": {
        "drupal_internal__target_id": 21
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3
/vch_chartering_ccm_pty_id?resourceVersion=id%3A15358"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_chartering_ccm_pty_id?resourceVersion=id%3A15358"
      }
    }
  },
  "vch_notified_by_pty_id": {
    "data": {
      "type": "party--party",

```

```

        "id": "7d967a4a-6d41-4b61-bb23-dd587cb61c83",
        "meta": {
            "drupal_internal__target_id": 21
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3
/vch_notified_by_pty_id?resourceVersion=id%3A15358"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_notified_by_pty_id?resourceVersion=id%3A15358"
        }
    }
},
"vch_matched_vch_id": {
    "data": null,
    "links": {
        "related": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/vch_matched_vch_id?
resourceVersion=id%3A15358"
        },
        "self": {
            "href": "https://vessels.wcpfc.int/jsonapi/vessel_charter
/vessel_charter/e39345d8-ff4d-46b7-b328-7755dc4e6ee3/relationships
/vch_matched_vch_id?resourceVersion=id%3A15358"
        }
    }
}
}
}
},
}
}
}
}

```

Example: Fetch fished/not fished status for vessel origin "11827" in a given year (2021).

Filter for where the `afa_vslo_vessel_id` field is 11827, and where the `afa_year` is 2021, once again using dot notation to filter on the `vslo_vessel_id` of the entity referenced in the `afa_vslo_vessel_id` field.

Filter 1:

```

path: "afa_vslo_vessel_id.vslo_vessel_id"
operator: "="
value: "11827"

```

Filter 2:

path: "afa_year"

operator: "="

value: "2021"

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_fished
/vessel_fished?filter[ex-group1][condition][path]=afa_vslo_vessel_id.
vslo_vessel_id&filter[ex-group1][condition][operator]==&filter[ex-
group1][condition][value]=11827&filter[ex-group2][condition][path]
=afa_year&filter[ex-group2][condition][operator]==&filter[ex-group2]
[condition][value]=2021'
```

Example: Fetch all vessel fished/not fished with the status of "Fished" in a given year (2021).

Filter for where the afa_confirmed_fished_yn field is true, and where the afa_year is 2021.

Filter 1:

path: "afa_confirmed_fished_yn"

operator: "="

value: "TRUE"

Filter 2:

path: "afa_year"

operator: "="

value: "2021"

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_fished
/vessel_fished?filter[ex-group1][condition][path]
=afa_confirmed_fished_yn&filter[ex-group1][condition][operator]==&filter
[ex-group1][condition][value]=TRUE&filter[ex-group2][condition][path]
=afa_year&filter[ex-group2][condition][operator]==&filter[ex-group2]
[condition][value]=2021'
```

```
{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  }
}
```

```

    }
  },
  "data": [
    {
      "type": "vessel_fished--vessel_fished",
      "id": "ca23f8c2-0eaf-4456-a2b3-55cbc31b7603",
      "links": {
        "self": {
          "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603?resourceVersion=id%3A57381"
        }
      },
      "attributes": {
        "drupal_internal__afa_id": 63285,
        "drupal_internal__afa_vid": 57381,
        "afa_revision_timestamp": "2022-08-10T03:01:30+00:00",
        "afa_revision_log": null,
        "afa_status": true,
        "afa_created": "2022-06-27T16:40:47+00:00",
        "afa_changed": "2022-08-10T03:01:30+00:00",
        "afa_year": 2021,
        "afa_confirmed_fished_yn": false,
        "afa_record_status": null
      },
      "relationships": {
        "afa_revision_uid": {
          "data": {
            "type": "user--user",
            "id": "af0aafe7-2631-459a-9d6a-0794e193560d",
            "meta": {
              "drupal_internal__target_id": 1
            }
          },
          "links": {
            "related": {
              "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/afa_revision_uid?resourceVersion=id%3A57381"
            },
            "self": {
              "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/relationships/afa_revision_uid?resourceVersion=id%3A57381"
            }
          }
        },
        "afa_usr_id": {

```

```

    "data": {
      "type": "user--user",
      "id": "af0aafe7-2631-459a-9d6a-0794e193560d",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/afa_usr_id?resourceVersion=id%3A57381"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/relationships/afa_usr_id?resourceVersion=id%3A57381"
      }
    }
  },
  "afa_vslo_vessel_id": {
    "data": {
      "type": "vessel_origin--vessel_origin",
      "id": "6af71e09-7f63-4fb9-afd9-19e92a799ccc",
      "meta": {
        "drupal_internal__target_id": 332
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/afa_vslo_vessel_id?resourceVersion=id%3A57381"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/relationships/afa_vslo_vessel_id?resourceVersion=id%3A57381"
      }
    }
  },
  "afa_submitted_by_pty_id": {
    "data": {
      "type": "party--party",
      "id": "4228f13a-30e4-4d48-9064-1e4c6ab076aa",
      "meta": {
        "drupal_internal__target_id": 12
      }
    }
  }
}

```

```

    },
    "links": {
      "related": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished
/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603
/afa_submitted_by_pty_id?resourceVersion=id%3A57381"
      },
      "self": {
        "href": "https://vessels.wcpfc.int/jsonapi/vessel_fished
/vessel_fished/ca23f8c2-0eaf-4456-a2b3-55cbc31b7603/relationships
/afa_submitted_by_pty_id?resourceVersion=id%3A57381"
      }
    }
  }
},
}
}

```

Example: Fetch vessel MTU register details for a WCPFC vessel ID.

Filter for where the `vmu_vslo_vessel_id` field references the vessel origin with Id 4.

Filter 1:

```

path: "vmu_vslo_vessel_id.vslo_vessel_id"
operator: "="
value: "4"

```

```

curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_mtu_register?
filter[ex-group1][condition][path]=vmu_vslo_vessel_id.
vslo_vessel_id&filter[ex-group1][condition][operator]==&filter[ex-
group1][condition][value]=4
--header 'Authorization: Basic dm1zOnBhc3M='

```

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  }
}

```

```

    }
  },
  "data": [
    {
      "type": "vessel_mtu_register",
      "id": "f5ca9de7-0607-4517-9d0f-e06212afa9f1",
      "links": {
        "self": {
          "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1?
resourceVersion=id%3A4"
        }
      },
      "attributes": {
        "drupal_internal__vmu_id": 4,
        "drupal_internal__vmu_vid": 4,
        "langcode": "en",
        "vmu_revision_timestamp": "2022-09-07T02:53:57+00:00",
        "vmu_revision_log": null,
        "vmu_status": false,
        "vmu_created": "2022-09-07T02:53:57+00:00",
        "vmu_changed": "2022-09-07T02:53:57+00:00",
        "vmu_equipment_id": "MTU Equipment ID",
        "vmu_network_id": "Network ID",
        "vmu_activate": true,
        "vmu_dnid": "DNID Value",
        "vmu_member_no": "1234",
        "vmu_notes": "This is a really interesting note.",
        "vmu_activation_failed_reason": null,
        "vmu_status_date": "2022-09-09",
        "vmu_mai_id": {
          "status": 2,
          "cid": 0,
          "last_comment_timestamp": 1662519237,
          "last_comment_name": null,
          "last_comment_uid": 0,
          "comment_count": 0
        },
        "moderation_state": "draft"
      },
      "relationships": {
        "vmu_revision_uid": {
          "data": null,
          "links": {
            "self": {
              "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1/relationships
/vmu_revision_uid?resourceVersion=id%3A4"
            }
          }
        }
      }
    }
  ]
}

```

```

        }
    },
    "vmu_usr_id": {
        "data": null,
        "links": {
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1/relationships
/vmu_usr_id?resourceVersion=id%3A4"
            }
        }
    },
    "vmu_vslo_vessel_id": {
        "data": {
            "type": "vessel_origin--vessel_origin",
            "id": "11b40602-a91c-404d-a6d4-5625e883cd75",
            "meta": {
                "drupal_internal__target_id": 4
            }
        },
        "links": {
            "related": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1
/vmu_vslo_vessel_id?resourceVersion=id%3A4"
            },
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1/relationships
/vmu_vslo_vessel_id?resourceVersion=id%3A4"
            }
        }
    },
    "vmu_amt_id": {
        "data": {
            "type": "approved_mtu_types--
approved_mtu_types",
            "id": "bb94cfb8-b94a-4af8-9b7d-fe828e0708f7",
            "meta": {
                "drupal_internal__target_id": "1"
            }
        },
        "links": {
            "related": {
                "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1/vmu_amt_id?
resourceVersion=id%3A4"
            }
        }
    }
}

```

```

        },
        "self": {
            "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register/f5ca9de7-0607-4517-9d0f-e06212afa9f1/relationships
/vmu_amt_id?resourceVersion=id%3A4"
        }
    }
}
],
"links": {
    "self": {
        "href": "http://vessels.wcpfc.int/jsonapi
/vessel_mtu_register?filter%5Bex-group1%5D%5Bcondition%5D%5Bpath%
5D=vmu_vslo_vessel_id.vslo_vessel_id&filter%5Bex-group1%5D%5Bcondition%
5D%5Boperator%5D=%3D&filter%5Bex-group1%5D%5Bcondition%5D%5Bvalue%5D=4"
    }
}
}

```

Example: Fetch MTU audits for a specific WCPFC vessel ID.

Filter for where the `mai_vslo_vessel_id` field references the vessel origin with Id 4.

Filter 1:

```

path: "mai_vslo_vessel_id.vslo_vessel_id"
operator: "="
value: "4"

```

```

curl -X GET 'http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit?filter
[ex-group1][condition][path]=mai_vslo_vessel_id.vslo_vessel_id&filter
[ex-group1][condition][operator]==&filter[ex-group1][condition][value]
=4' \
--header 'Authorization: Basic dm1zOnBhc3M='

```

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  }
}

```

```

    }
  }
},
"data": [
  {
    "type": "mtu_audit--mtu_audit",
    "id": "fc469bdd-f497-4759-af47-1cb90f4e9a5e",
    "links": {
      "self": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e?resourceVersion=id%3A6076"
      }
    },
    "attributes": {
      "drupal_internal__mai_id": 6194,
      "drupal_internal__mai_vid": 6076,
      "langcode": "und",
      "mai_revision_timestamp": "2022-10-11T02:42:08+00:00",
      "mai_revision_log": null,
      "mai_status": true,
      "mai_created": "2022-10-11T02:42:08+00:00",
      "mai_changed": "2022-10-11T02:42:08+00:00",
      "mai_inspection_date": "2019-09-18",
      "mai_compliant_yn": true,
      "mai_auditor": "SAMSAN ENTERPRISE COMPANY",
      "mai_notes": "OK"
    },
    "relationships": {
      "mai_revision_uid": {
        "data": null,
        "links": {
          "self": {
            "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/relationships/vmu_revision_uid?resourceVersion=id%3A6076"
          }
        }
      },
      "mai_usr_id": {
        "data": null,
        "links": {
          "self": {
            "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/relationships/mai_usr_id?resourceVersion=id%3A6076"
          }
        }
      }
    }
  }
]

```

```

    }
  },
  "mai_vslo_vessel_id": {
    "data": {
      "type": "vessel_origin--vessel_origin",
      "id": "d57e8fa2-83ad-4700-848b-98ed4ede9fdb",
      "meta": {
        "drupal_internal__target_id": 4
      }
    },
    "links": {
      "related": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/mai_vslo_vessel_id?resourceVersion=id%3A6076"
      },
      "self": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/relationships/mai_vslo_vessel_id?resourceVersion=id%3A6076"
      }
    }
  },
  "mai_vmu_id": {
    "data": null,
    "links": {
      "related": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/mai_vmu_id?resourceVersion=id%3A6076"
      },
      "self": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/relationships/mai_vmu_id?resourceVersion=id%3A6076"
      }
    }
  },
  "mai_amt_id": {
    "data": {
      "type": "approved_mtu_type--approved_mtu_type",
      "id": "e9aac85a-3f5c-4222-8412-6e062a60ba4d",
      "meta": {
        "drupal_internal__target_id": "51"
      }
    },
    "links": {
      "related": {

```

```

        "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/mai_amt_id?
resourceVersion=id%3A6076"
    },
    "self": {
        "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/relationships
/mai_amt_id?resourceVersion=id%3A6076"
    }
}
},
"mai_certificate": {
    "data": [],
    "links": {
        "self": {
            "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/fc469bdd-f497-4759-af47-1cb90f4e9a5e/relationships
/mai_certificate?resourceVersion=id%3A6076"
        }
    }
}
},
{
    "type": "mtu_audit--mtu_audit",
    "id": "d21c5546-5f94-4c10-9ef4-25c028a0208b",
    "links": {
        "self": {
            "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit
/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b?resourceVersion=id%
3A8390"
        }
    },
    "attributes": {
        "drupal_internal__mai_id": 8600,
        "drupal_internal__mai_vid": 8390,
        "langcode": "und",
        "mai_revision_timestamp": "2022-10-11T02:42:08+00:00",
        "mai_revision_log": null,
        "mai_status": true,
        "mai_created": "2022-10-11T02:42:08+00:00",
        "mai_changed": "2022-10-11T02:42:08+00:00",
        "mai_inspection_date": "2021-11-02",
        "mai_compliant_yn": true,
        "mai_auditor": "SAMSAN ENTERPRISE COMPANY",
        "mai_notes": "ok"
    },
    "relationships": {

```

```

        "mai_revision_uid": {
            "data": null,
            "links": {
                "self": {
                    "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/relationships
/vmu_revision_uid?resourceVersion=id%3A8390"
                }
            }
        },
        "mai_usr_id": {
            "data": null,
            "links": {
                "self": {
                    "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/relationships
/mai_usr_id?resourceVersion=id%3A8390"
                }
            }
        },
        "mai_vslo_vessel_id": {
            "data": {
                "type": "vessel_origin--vessel_origin",
                "id": "d57e8fa2-83ad-4700-848b-98ed4ede9fdb",
                "meta": {
                    "drupal_internal__target_id": 4
                }
            },
            "links": {
                "related": {
                    "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b
/mai_vslo_vessel_id?resourceVersion=id%3A8390"
                },
                "self": {
                    "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/relationships
/mai_vslo_vessel_id?resourceVersion=id%3A8390"
                }
            }
        },
        "mai_vmu_id": {
            "data": null,
            "links": {
                "related": {
                    "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/mai_vmu_id?
resourceVersion=id%3A8390"
                }
            }
        }
    }
}

```

```

        },
        "self": {
            "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/relationships
/mai_vmu_id?resourceVersion=id%3A8390"
        }
    },
    "mai_amt_id": {
        "data": {
            "type": "approved_mtu_type--approved_mtu_type",
            "id": "e9aac85a-3f5c-4222-8412-6e062a60ba4d",
            "meta": {
                "drupal_internal__target_id": "51"
            }
        },
        "links": {
            "related": {
                "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/mai_amt_id?
resourceVersion=id%3A8390"
            },
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/relationships
/mai_amt_id?resourceVersion=id%3A8390"
            }
        }
    },
    "mai_certificate": {
        "data": [],
        "links": {
            "self": {
                "href": "http://vessels.wcpfc.int/jsonapi
/mtu_audit/mtu_audit/d21c5546-5f94-4c10-9ef4-25c028a0208b/relationships
/mai_certificate?resourceVersion=id%3A8390"
            }
        }
    }
}

],
"links": {
    "self": {
        "href": "http://vessels.wcpfc.int/jsonapi/mtu_audit
/mtu_audit?filter%5Bex-group1%5D%5Bcondition%5D%5Bpath%
5D=mai_vslo_vessel_id.vslo_vessel_id&filter%5Bex-group1%5D%5Bcondition%
5D%5Boperator%5D=%3D&filter%5Bex-group1%5D%5Bcondition%5D%5Bvalue%5D=4"
    }
}

```



Including Related Entities

If a second object is referenced by a requested object, basic data about the second object will be included in the "relationships" field in the response instead. It is often useful to include related objects in the initial response rather than needing to traverse related data over multiple requests. To load related objects in the same response, the "include={reference_field_name}" query parameter can be appended, and the full data of the second object will be attached to the response within a top-level item called "included".

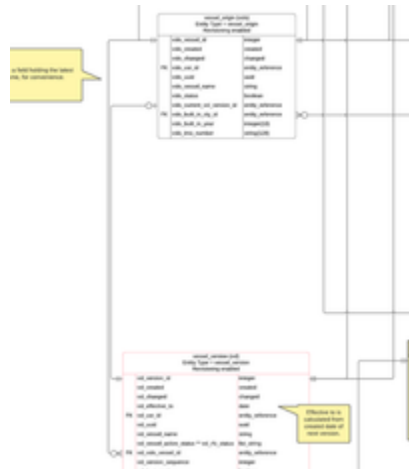
In the case where the query is broad enough to request multiple objects, the "included" item will contain **all** of the distinct included objects that are referenced by the objects in that page of results.

Further details about the include parameter can be found in the JSON:API:

<https://jsonapi.org/format/#fetching-includes>

Example: Include vessel_origin, vessel type and vessel gear type with vessel_version, filtered by IMO.

When querying the /jsonapi/vessel_version/vessel_version endpoint, the result will contain a relationship item called "vsl_vslo_vessel_id" that contains information about the vessel_origin. This can be seen in this screenshot taken from the ER diagram for vessel origin and vessel version entity.



To load the vessel_origin object and return it in the same response, append include=vsl_vslo_vessel_id to the query parameters of the query URL.

Therefore, building upon the above filtering examples, we can use the below query to retrieve the following details in a single request

- Current vessel_version entities (filter[group1][condition][path]=vsl_is_current&filter[group1][condition][operator]==&filter[group1][condition][value]=1)
- That are also active vessel_version entities (filter[group2][condition][path]=vsl_vessel_active_status&filter[group2][condition][operator]==&filter[group2][condition][value]=active)
- Where the vessel has the IMO number 8662634 (filter[group3][condition][path]=vsl_vslo_vessel_id.vsl_imo_number&filter[group3][condition][operator]==&filter[group3][condition][value]=8662634)
- Plus include the related vessel_origin, vessel type, flag country details and photos in the same response (include=vsl_vslo_vessel_id, vsl_vty_id, vsl_flag_cty_id, vsl_photos)

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/vessel_version/vessel_version?filter[group1][condition][path]=vsl_is_current&filter[group1][condition][operator]==&filter[group1][condition][value]=0&filter[group2][condition][path]=vsl_vessel_active_status&filter[group2][condition][operator]==&filter[group2][condition][value]=Approved&filter[group3][condition][path]=vsl_vslo_vessel_id.vsl_imo_number&filter[group3][condition][operator]==&filter[group3][condition][value]=8662634&include=vsl_vslo_vessel_id,vsl_vty_id,vsl_flag_cty_id,vsl_photos'
```

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "vessel_version--vessel_version",
      "id": "86f9f716-03ca-4836-9566-234d3ccd410c",
      "links": {
        "self": {
          "href": "https://vessels.uat.wcpfc.int/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-234d3ccd410c"
        }
      },
      "attributes": {
        "drupal_internal__vsl_version_id": 82950,
        "drupal_internal__vsl_version_vid": 82685,
        "langcode": "en",
        "vsl_revision_timestamp": "2022-06-22T04:14:49+00:00",
        "vsl_revision_log": null,
        "vsl_status": true,
        "vsl_vessel_name": "QING YUAN YU 004",
        "vsl_created": "2021-10-15T02:36:46+00:00",
        "vsl_changed": "2022-06-22T04:14:49+00:00",
        "vsl_effective_to": "2022-06-22",
        "vsl_vessel_active_status": "active",
        "vsl_version_sequence": 26,
        "vsl_is_current": true,
        "vsl_length": 50.8,
        "vsl_length_type": "registered",
        "vsl_length_units": "m",
        "vsl_moulded_depth": 3.95,
        "vsl_depth_units": "m",
        "vsl_beam": 9,
        "vsl_beam_units": "m",
        "vsl_tonnage": 698,
        "vsl_tonnage_type": "GT",
        "vsl_engine_power": 1176,
        "vsl_power_units": "kw",
        "vsl_fishhold_capacity": 631,
        "vsl_fishhold_cap_units": "cubic_metres",

```

```

"vsl_highseas_trans_authorized": true,
"vsl_ps_at_sea_authorized": null,
"vsl_registration_number": "?LU)CHUANDENG(JI)(2021)FT-
200091",
"vsl_ircs": "BZZP4",
"vsl_win": "BZZP4",
"vsl_previous_names": [
  "FULL MESNS NO.2"
],
"vsl_previous_flags": [
  "Seychelles"
],
"vsl_owner_name": "Qingdao Furui Fisheries Co.Ltd",
"vsl_owner_address": "1502?NO.2 Building,19 Fuzhou Nan
Road Qingdao,China",
"vsl_master_name": "JIANG LEI PING",
"vsl_crew_count": 35,
"vsl_communications": "iFleet one:352142061007922",
"vsl_deletion_reason": null,
"vsl_freezer_types": null,
"vsl_freezer_type_count": "4",
"vsl_freezer_capacity": "8",
"vsl_freezer_capacity_unit": "MT/DAY",
"vsl_auth_type": null,
"vsl_auth_area": "Pacific Ocean",
"vsl_auth_from_date": "2020-03-31T13:00:00+00:00",
"vsl_auth_to_date": "2025-03-30T13:00:00+00:00",
"vsl_auth_target_species": "tuna,tuna-like species and
other pelagic species",
"vsl_auth_number": "NO.0658?2021?GUOYU(GONG)"
},
"relationships": {
  "vsl_revision_uid": {
    "data": {
      "type": "user--user",
      "id": "34c1b3a9-2af9-419a-a7f7-fa42ffec8464",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_revision_uid"
      },
      "self": {
        "href": "https://vessels.uat.wcpfc.int

```

```

/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_revision_uid"
    }
  },
  "vsl_usr_id": {
    "data": {
      "type": "user--user",
      "id": "34c1b3a9-2af9-419a-a7f7-fa42ffec8464",
      "meta": {
        "drupal_internal__target_id": 1
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_usr_id"
      },
      "self": {
        "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_usr_id"
      }
    }
  },
  "vsl_vslo_vessel_id": {
    "data": {
      "type": "vessel_origin--vessel_origin",
      "id": "879a1325-07a5-4749-9a7c-3fb73e7db026",
      "meta": {
        "drupal_internal__target_id": 7
      }
    },
    "links": {
      "related": {
        "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_vslo_vessel_id"
      },
      "self": {
        "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_vslo_vessel_id"
      }
    }
  },
  "vsl_flag_cty_id": {

```

```

        "data": {
            "type": "country--country",
            "id": "5855a3ee-8100-45bc-ad03-054a2de1124b",
            "meta": {
                "drupal_internal__target_id": 46
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_flag_cty_id"
            },
            "self": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_flag_cty_id"
            }
        }
    },
    "vsl_vty_id": {
        "data": {
            "type": "vessel_type--vessel_type",
            "id": "2d601a30-d7c7-42b8-a702-8b3ddc2698bd",
            "meta": {
                "drupal_internal__target_id": 32
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_vty_id"
            },
            "self": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_vty_id"
            }
        }
    },
    "vsl_submitted_by_ccm_pty_id": {
        "data": {
            "type": "party--party",
            "id": "2e790fe0-2d4f-4b66-ae44-baf810f352d7",
            "meta": {
                "drupal_internal__target_id": 5
            }
        }
    }
}

```

```

        },
        "links": {
            "related": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_submitted_by_ccm_pty_id"
            },
            "self": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_submitted_by_ccm_pty_id"
            }
        }
    },
    "vsl_fgt_id": {
        "data": [
            {
                "type": "fishing_gear_type--
fishing_gear_type",
                "id": "missing",
                "meta": {
                    "links": {
                        "help": {
                            "href": "https://www.drupal.org
/docs/8/modules/json-api/core-concepts#missing",
                            "meta": {
                                "about": "Usage and meaning
of the 'missing' resource identifier."
                            }
                        }
                    }
                }
            }
        ]
    },
    "links": {
        "related": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_fgt_id"
        },
        "self": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_fgt_id"
        }
    }
},
"vsl_master_nationality_cty_id": {

```

```

        "data": {
            "type": "country--country",
            "id": "5855a3ee-8100-45bc-ad03-054a2de1124b",
            "meta": {
                "drupal_internal__target_id": 46
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_master_nationality_cty_id"
            },
            "self": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_master_nationality_cty_id"
            }
        }
    },
    "vsl_reg_por_id": {
        "data": {
            "type": "port--port",
            "id": "db118922-1e13-4d9d-aeab-f5de93e88926",
            "meta": {
                "drupal_internal__target_id": 402
            }
        },
        "links": {
            "related": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_reg_por_id"
            },
            "self": {
                "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_reg_por_id"
            }
        }
    },
    "vsl_photos": {
        "data": [
            {
                "type": "file--file",
                "id": "1c6bf145-78e3-4a1b-beb8-
2624040c4717",
                "meta": {

```

```

        "alt": null,
        "title": null,
        "width": 800,
        "height": 599,
        "drupal_internal__target_id": 4
      }
    }
  ],
  "links": {
    "related": {
      "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/vsl_photos"
    },
    "self": {
      "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_version/vessel_version/86f9f716-03ca-4836-9566-
234d3ccd410c/relationships/vsl_photos"
    }
  }
}
},
"included": [
  {
    "type": "vessel_origin--vessel_origin",
    "id": "879a1325-07a5-4749-9a7c-3fb73e7db026",
    "links": {
      "self": {
        "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-3fb73e7db026"
      }
    },
    "attributes": {
      "drupal_internal__vslo_vessel_id": 7,
      "drupal_internal__vslo_vessel_vid": 11875,
      "langcode": "en",
      "vslo_revision_timestamp": "2022-06-22T05:17:41+00:00",
      "vslo_revision_log": null,
      "vslo_status": true,
      "vslo_vessel_name": "QING YUAN YU 004",
      "vslo_created": "2021-10-15T02:36:46+00:00",
      "vslo_changed": "2022-06-22T05:17:41+00:00",
      "vslo_built_in_year": 2001,
      "vslo_imo_number": "8662634"
    },
    "relationships": {

```

```

    "vslo_revision_uid": {
      "data": {
        "type": "user--user",
        "id": "ad784e18-829e-4355-a2a9-dd7bbe57f1d4",
        "meta": {
          "drupal_internal__target_id": 0
        }
      },
      "links": {
        "related": {
          "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/vslo_revision_uid"
        },
        "self": {
          "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/relationships/vslo_revision_uid"
        }
      }
    },
    "vslo_usr_id": {
      "data": {
        "type": "user--user",
        "id": "34c1b3a9-2af9-419a-a7f7-fa42ffec8464",
        "meta": {
          "drupal_internal__target_id": 1
        }
      },
      "links": {
        "related": {
          "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/vslo_usr_id"
        },
        "self": {
          "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/relationships/vslo_usr_id"
        }
      }
    },
    "vslo_current_vsl_version_id": {
      "data": {
        "type": "vessel_version--vessel_version",
        "id": "86f9f716-03ca-4836-9566-234d3ccd410c",
        "meta": {
          "drupal_internal__target_id": 82950
        }
      }
    }
  }

```

```

        }
    },
    "links": {
        "related": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/vslo_current_vsl_version_id"
        },
        "self": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/relationships/vslo_current_vsl_version_id"
        }
    }
},
"vslo_built_in_cty_id": {
    "data": {
        "type": "country--country",
        "id": "d2e7a26c-9684-4948-a2f0-1731741e160c",
        "meta": {
            "drupal_internal__target_id": 218
        }
    },
    "links": {
        "related": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/vslo_built_in_cty_id"
        },
        "self": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/vessel_origin/vessel_origin/879a1325-07a5-4749-9a7c-
3fb73e7db026/relationships/vslo_built_in_cty_id"
        }
    }
}
},
{
    "type": "vessel_type--vessel_type",
    "id": "2d601a30-d7c7-42b8-a702-8b3ddc2698bd",
    "links": {
        "self": {
            "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_type/vessel_type/2d601a30-d7c7-42b8-a702-8b3ddc2698bd"
        }
    },
    "attributes": {

```

```

        "drupal_internal__vty_id": 32,
        "vty_abbreviation": "LLT",
        "created_by_username": "18",
        "created_on_datetime": "2009-05-27T07:14:28+00:00",
        "modified_by_username": "18",
        "modified_on_datetime": "2018-08-08T00:39:08+00:00",
        "vty_fao_code": "07.2.1",
        "vty_rfv_ssp_type": "Tuna longliners",
        "vty_generic_type": "Longliner",
        "vty_sorted_type": "07.2.1 - Tuna longliner",
        "vty_fao_group": "07"
    },
    {
        "type": "country--country",
        "id": "5855a3ee-8100-45bc-ad03-054a2de1124b",
        "links": {
            "self": {
                "href": "https://vessels.uat.wcpfc.int/jsonapi/country/country/5855a3ee-8100-45bc-ad03-054a2de1124b"
            }
        },
        "attributes": {
            "drupal_internal__cty_id": 46,
            "cty_country_name": "China",
            "created_by_username": "18",
            "created_on_datetime": "2009-05-27T05:07:41+00:00",
            "modified_by_username": "18",
            "modified_on_datetime": "2018-07-26T11:32:52+00:00",
            "cty_code": "CHN",
            "cty_code2": "CN",
            "cty_wcpfc_member_type": "Member",
            "cty_ffa_member_yn": false,
            "cty_spc_member_yn": false,
            "cty_pict_yn": false,
            "cty_eu_member_yn": false,
            "cty_record_type": "C"
        }
    },
    {
        "type": "file--file",
        "id": "1c6bf145-78e3-4a1b-beb8-2624040c4717",
        "links": {
            "self": {
                "href": "https://vessels.uat.wcpfc.int/jsonapi/file/file/1c6bf145-78e3-4a1b-beb8-2624040c4717"
            }
        }
    },

```

```

    "attributes": {
      "drupal_internal__fid": 4,
      "langcode": "en",
      "filename": "Qing Yuan Yu 004.jpg",
      "uri": {
        "value": "public://Qing Yuan Yu 004.jpg",
        "url": "/sites/default/files/Qing%20Yuan%20Yu%20004.
jpg"
      },
      "filemime": "image/jpeg",
      "filesize": 140052,
      "status": true,
      "created": "2022-06-22T04:14:49+00:00",
      "changed": "2022-06-22T04:14:49+00:00"
    },
    "relationships": {
      "uid": {
        "data": {
          "type": "user--user",
          "id": "ad784e18-829e-4355-a2a9-dd7bbe57f1d4",
          "meta": {
            "drupal_internal__target_id": 0
          }
        },
        "links": {
          "related": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/file/file/1c6bf145-78e3-4a1b-beb8-2624040c4717/uid"
          },
          "self": {
            "href": "https://vessels.uat.wcpfc.int
/jsonapi/file/file/1c6bf145-78e3-4a1b-beb8-2624040c4717/relationships
/uid"
          }
        }
      }
    }
  },
  "links": {
    "self": {
      "href": "https://vessels.uat.wcpfc.int/jsonapi
/vessel_version/vessel_version?filter%5Bgroup1%5D%5Bcondition%5D%5Bpath%
5D=vsl_is_current&filter%5Bgroup1%5D%5Bcondition%5D%5Boperator%5D=%
3D&filter%5Bgroup1%5D%5Bcondition%5D%5Bvalue%5D=1&filter%5Bgroup2%5D%
5Bcondition%5D%5Bpath%5D=vsl_vessel_active_status&filter%5Bgroup2%5D%
5Bcondition%5D%5Boperator%5D=%3D&filter%5Bgroup2%5D%5Bcondition%5D%
5Bvalue%5D=active&filter%5Bgroup3%5D%5Bcondition%5D%5Bpath%

```

```
5D=vs1_vslo_vessel_id.vslo_imo_number&filter%5Bgroup3%5D%5Bcondition%5D%
5Boperator%5D=%3D&filter%5Bgroup3%5D%5Bcondition%5D%5Bvalue%
5D=8662634&include=vs1_vslo_vessel_id%2Cvs1_vty_id%2Cvs1_flag_cty_id%
2Cvs1_photos"
    }
}
```

Authentication

Authentication for the RFV JSON:API is achieved through Basic HTTP Authentication.

Curl

When connecting via curl, authentication can be passed via `curl -u "<username>:<password>" <url>`. This will automatically convert the supplied username and password to an Auth header.

Header

If not using curl, the same `username:password` string must instead be base64 encoded and then passed in a header matching: `Authorization: <base64 encoded string>`

Example

The following is an example of how to authenticate to the RFV with curl using a header, for the user `testUser` with the password `examplePassword`.

1. Convert `username:password` combo into a base64 string, such as using the `base64` command-line utility with `echo -n "testUser:examplePassword" | base64` (the `-n` must be used to avoid inserting a newline), giving `dGVzdFVzZXI6ZXhhbXBsZVBhc3N3b3Jk`
2. The string can then be used in the curl request such as:

```
curl --location --request GET 'http://wcpfc-rfv.localhost/jsonapi/vessel_version/vessel_version' \
--header 'Authorization: Basic dGVzdFVzZXI6ZXhhbXBsZVBhc3N3b3Jk'
```

Failing Authentication

If authentication fails, the resulting response will be similar to:

```
{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [],
  "meta": {
    "omitted": {
      "detail": "Some resources have been omitted because of
insufficient authorization.",
    }
  },
  "links": {
    "next": {
      "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version?page%5Boffset%5D=50&page%5Blimit%5D=50"
    },
    "self": {
      "href": "http://wcpfc-rfv.localhost/jsonapi/vessel_version
/vessel_version"
    }
  }
}
```

FFA Good Standing List - JSON:API

Introduction

FFA has provided an API to retrieve the "FFA Good Standing Register" data, which contains details about vessels "in good standing". The API endpoints below re-serve the good standing list data using JSON:API formatted APIs.

The FFA Good Standing List data served from the RFV is updated from FFA hourly and only includes vessels on the good standing list that have a WCPFC Vessel ID.

Fetch Data

FFA good standing related endpoints on the RFV:

Entity type	Endpoint	JSON:API "Type"
FFA Vessel	/jsonapi/ffa_vessel	/jsonapi/ffa_vessel
FFA Registration	/jsonapi/ffa_registration	/jsonapi/ffa_registration

FFA Vessel

To fetch FFA Vessel entities, make a GET request to the /jsonapi/ffa_vessel endpoint, authentication is not required for requesting public data. The response will contain all data of FFA Vessel entities, including a ffa_vid field, which is the primary FFA vessel identifier.

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/ffa_vessel'
```

This endpoint is represented by the pink box in the diagram above with entity type ffa_vessel. It returns data about the ffa_vid, wcpfc_id, ffa_vessel_name, ffa_vessel_type, ffa_flag, ffa_ircs and other stored data.

Endpoint: /jsonapi/ffa_vessel

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "ffa_vessel",
      "id": "82edc5c9e21035674d481640448049f3",
      "links": {
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/ffa_vessel/82edc5c9e21035674d481640448049f3?resourceVersion=id%3A234"
        }
      },
      "attributes": {
        "created": "2022-09-05T23:34:29+00:00",
        "changed": "2022-09-05T23:34:29+00:00",
        "ffa_vid": 4226,
        "wcpfc_id": 933,
        "ffa_vessel_name": "MARORAOI",
        "ffa_vessel_type": "Single Purse Seiner",
        "ffa_flag": "Kiribati",
        "ffa_ircs": "T3LN2",
        "ffa_uvi_imo_number": "8103080",
        "ffa_year_built": "1981",
        "ffa_country_of_built": "United States",
        "ffa_weight_gross": null,
        "ffa_registered_length": "60.56",
        "ffa_length": "68.00",
        "ffa_updated_at": "2021-12-29T00:00:00+00:00"
      }
    }
  ],
  "links": {
    "self": {
      "href": "http://wcpfc-rfv.localhost/jsonapi/ffa_vessel"
    }
  }
}

```

FFA Registration

To fetch FFA registration entities, make a GET request to the `/jsonapi/ffa_registration` endpoint, authentication is not required for requesting public FFA registration data. The response will contain all data of FFA registration entities, including a `parent_ffa_vid` field, which refers to the parent `ffa_vid` in `jsonapi/ffa_vessel` list.

```
curl -X GET 'https://vessels.wcpfc.int/jsonapi/ffa_registration'
```

This endpoint is represented by the pink box in the diagram above with entity type `ffa_registration`. It returns data about the `vr_start_date`, `vr_end_date` and `parent_ffa_vid`.

Endpoint: `/jsonapi/ffa_registration`

```

{
  "jsonapi": {
    "version": "1.0",
    "meta": {
      "links": {
        "self": {
          "href": "http://jsonapi.org/format/1.0/"
        }
      }
    }
  },
  "data": [
    {
      "type": "ffa_registration",
      "id": "b53593e7ec756723edc99e843aebbf50",
      "links": {
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/ffa_registration/b53593e7ec756723edc99e843aebbf50?resourceVersion=id%3A1"
        }
      },
      "attributes": {
        "vrr_start_date": "2022-08-02T00:00:00+00:00",
        "vrr_end_date": "2023-08-01T00:00:00+00:00",
        "parent_ffa_vid": "36829"
      }
    },
    {
      "links": {
        "next": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/ffa_registration?page%5Boffset%5D=50&page%5Blimit%5D=50"
        },
        "self": {
          "href": "http://wcpfc-rfv.localhost/jsonapi/ffa_registration"
        }
      }
    }
  ]
}

```