# Exposed Services

## Generic – Developer Use Only

#### Node Exit Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | GET |  | |  |
| **URL(s):** | GET /services/rpc/node/exit | | | |
|  |  | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | NodeExitResponse | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
| **Description:** | **\*\*\* DEVELOPER USE ONLY \*\*\***  **\*\*\* REMOVE PRIOR TO PRODUCTION PUBLISH \*\*\***  This generic service causes the node server to shutdown and is only intended for use during development and debugging in bench testing environment. | | | |

#### Node Stats Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | GET |  | |  |
| **URL(s):** | GET /services/restful/node/stats | | | |
|  |  | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | NodeStatsResponse | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
| **Description:** | **\*\*\* DEVELOPER USE ONLY \*\*\***  **\*\*\* REMOVE PRIOR TO PRODUCTION PUBLISH \*\*\***  This generic service causes the node server to return detailed runtime information and is intended for use during development and debugging in bench testing environment. | | | |

## RPC

### Authentication Services

#### Register Account Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | POST |  | |  |
| **URL(s):** | POST /services/rpc/auth/registerAccount | | | |
|  |  | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | RegisterAccountRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | RpcResponse [UserID] | |
|  |  | | | |
| **Description:** |  | | | |

#### Login Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | POST |  | |  |
| **URL(s):** | POST /services/rpc/auth/login | | | |
|  |  | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | LoginRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | RpcResponse [String] | |
|  |  | | | |
| **Description:** |  | | | |

#### Refresh Token Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | POST |  | |  |
| **URL(s):** | POST /services/rpc/auth/refreshToken | | | |
|  |  | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | RefreshTokenRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | RpcResponse [String] | |
|  |  | | | |
| **Description:** |  | | | |

## AJAX

### Product Information

#### Aircraft Products Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | GET, POST |  | |  |
| **URL(s):** | GET /services/ajax/aircraft/products | | | |
|  | POST /services/ajax/aircraft/products | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | NewProductRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | AjaxResponse [Product] | |
|  | ***POST:*** | | AjaxResponse [Product] | |
|  |  | | | |
| **Description:** |  | | | |

#### Aircraft Product Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | GET, POST |  | |  |
| **URL(s):** | GET /services/ajax/aircraft/product/:productId | | | |
|  | POST /services/ajax/aircraft/product/:productId | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | ChangeProductRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | :productId | |
|  | ***POST:*** | | :productId | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | AjaxResponse [Product] | |
|  | ***POST:*** | | AjaxResponse [Product] | |
|  |  | | | |
| **Description:** |  | | | |

#### Aircraft Manufacturers Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | GET, POST |  | |  |
| **URL(s):** | GET /services/ajax/aircraft/manufacturers | | | |
|  | POST /services/ajax/aircraft/manufacturers | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | NewAircraftManufacturerRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | AjaxResponse [AircraftManufacturer] | |
|  | ***POST:*** | | AjaxResponse [AircraftManufacturer] | |
|  |  | | | |
| **Description:** |  | | | |

#### Aircraft Models Route

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supported Methods:** | GET, POST |  | |  |
| **URL(s):** | GET /services/ajax/aircraft/models | | | |
|  | POST /services/ajax/aircraft/models | | | |
|  |  | | | |
| **Request Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Request Body (JSON):** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | NewAircraftModelRequest | |
| **Request Parameters:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
|  |  | | | |
|  |  | | | |
| **Response Headers:** |  | | | |
|  | ***GET:*** | | N/A | |
|  | ***POST:*** | | N/A | |
| **Response Body (JSON):** |  | | | |
|  | ***GET:*** | | AjaxResponse [AircraftModel] | |
|  | ***POST:*** | | AjaxResponse [AircraftModel] | |
|  |  | | | |
| **Description:** |  | | | |

## RESTFUL

## JSON Request Objects

### RegisterAccountRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| mode | String | rpc | Yes | Must always be set to ‘rpc’ |
| userName | String | N/A | Yes | Email address |
| password | String | N/A | Yes | Password |

### LoginRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| mode | String | rpc | Yes | Must always be set to ‘rpc’ |
| userName | String | N/A | Yes | Email address |
| password | String | N/A | Yes | Password |

### RefreshTokenRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| mode | String | rpc | Yes | Must always be set to ‘rpc’ |
| token | String | N/A | Yes | An authentication token to be renewed |

### NewProductRequest / ChangeProductRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| mode | String | ajax | Yes | Must always be set to ‘ajax’ |
| token | String | N/A | Yes | An authentication token |
| name | String | N/A | Yes | Product Name |
| productType | Enum | N/A | Yes | Enum [‘checklist’, ‘guide’, ‘manual’] |
| productCategory | Enum | N/A | Yes | Enum [‘aviation’, ‘marine’, ‘navigation’] |
| isPublished | Boolean | false | No | For sale |
| appleProductIdentifier | String | Null | No | Apple Store ProductID |
| androidProductIdentifier | String | Null | No | Android Store ProductID |
| isAppleEnabled | Boolean | false | No | Available on Apple Store |
| isAndroidEnabled | Boolean | false | No | Available on Android Store |
| suggestedRetailPrice | Number | 0 | No | MSRP for Product |
| aircraftChecklist | ObjectId | null | No | Associated aviation checklist |

### NewAircraftManufacturerRequest / ChangeAircraftManufacturerRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| mode | String | ajax | Yes | Must always be set to ‘ajax’ |
| token | String | N/A | Yes | An authentication token |
| name | String | N/A | Yes | Manufacturer Name |
| description | String | null | No |  |

### NewAircraftModelRequest / ChangeAircraftModelRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| mode | String | ajax | Yes | Must always be set to ‘ajax’ |
| token | String | N/A | Yes | An authentication token |
| name | String | N/A | Yes | Manufacturer Name |
| description | String | null | No |  |
| manufacturer | ObjectId[AircraftManufacturer] | N/A | Yes |  |

## JSON Response Objects

### NodeExitResponse

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| status | String | ok | Yes | Value is “ok” if server terminated successfully |

### NodeStatsResponse

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| TBD |  |  |  |  |

### AjaxResponse

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| total | Number | 0 | Yes | Total number of available records |
| records | Array | Null | Yes | Array of objects returned to client |
| success | Boolean | False | Yes | Indicates success/failure of the request |
| message | Object | Null | Yes | An error object or string value representing the nature of the failure |
| errorCode | Number | 0 | Yes | A standard HTTP error code representing the reason for failure |
| mode | String | ajax | Yes | Type of request that was processed |

### RpcResponse

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| returnValue | Object | Null | Yes | Result of the procedure call |
| success | Boolean | False | Yes | Indicates success/failure of the request |
| message | Object | Null | Yes | An error object or string value representing the nature of the failure |
| errorCode | Number | 0 | Yes | A standard HTTP error code representing the reason for failure |
| mode | String | rpc | Yes | Type of request that was processed |

## JSON Data Objects

### Product

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| name | String | N/A | Yes | Product Name |
| productType | Enum | N/A | Yes | Enum [‘checklist’, ‘guide’, ‘manual’] |
| productCategory | Enum | N/A | Yes | Enum [‘aviation’, ‘marine’, ‘navigation’] |
| isPublished | Boolean | false | No | For sale |
| appleProductIdentifier | String | Null | No | Apple Store ProductID |
| androidProductIdentifier | String | Null | No | Android Store ProductID |
| isAppleEnabled | Boolean | false | No | Available on Apple Store |
| isAndroidEnabled | Boolean | false | No | Available on Android Store |
| suggestedRetailPrice | Number | 0 | No | MSRP for Product |
| aircraftChecklist | ObjectId | null | No | Associated aviation checklist |

### AircraftManufacturer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| name | String | N/A | Yes | Manufacturer Name |
| description | String | null | No |  |
| models | Array[AircraftModel] | Empty Array | No |  |

### AircraftModel

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Default Value** | **Required** | **Description** |
| name | String | N/A | Yes | Manufacturer Name |
| description | String | null | No |  |
| manufacturer | ObjectId[AircraftManufacturer] | N/A | Yes |  |