Lumen On-Prem Instance for BrightSpeed

MAL: BSPD-IMPROV-SERVICES

Asset Tag / ID: SYSGEN787986244

# Resource URLs:

* Resource: createAccount

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/createAccount](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/createAccount) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/createAccount](https://api-test1.centurylink.com/Application/v1/ImprovCloud/createAccount) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/createAccount> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/createAccount](https://api.centurylink.com/Application/v1/ImprovCloud/createAccount) |

* Resource: updateUserAccount

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/updateUserAccount](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/updateUserAccount) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/updateUserAccount](https://api-test1.centurylink.com/Application/v1/ImprovCloud/updateUserAccount) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/updateUserAccount> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/updateUserAccount](https://api.centurylink.com/Application/v1/ImprovCloud/updateUserAccount) |

* Resource: deleteUserAccount

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/deleteUserAccount](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/deleteUserAccount) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/deleteUserAccount](https://api-test1.centurylink.com/Application/v1/ImprovCloud/deleteUserAccount) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/deleteUserAccount> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/deleteUserAccount](https://api.centurylink.com/Application/v1/ImprovCloud/deleteUserAccount) |

* Resource: enableUserAccount

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/enableUserAccount](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/enableUserAccount) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/enableUserAccount](https://api-test1.centurylink.com/Application/v1/ImprovCloud/enableUserAccount) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/enableUserAccount> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/enableUserAccount](https://api.centurylink.com/Application/v1/ImprovCloud/enableUserAccount) |

* Resource: findUser

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/findUser](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/findUser) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/findUser](https://api-test1.centurylink.com/Application/v1/ImprovCloud/findUser) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/findUser> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/findUser](https://api.centurylink.com/Application/v1/ImprovCloud/findUser) |

* Resource: userInfoByWtn

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/userInfoByWtn](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/userInfoByWtn) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/userInfoByWtn](https://api-test1.centurylink.com/Application/v1/ImprovCloud/userInfoByWtn) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/userInfoByWtn> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/userInfoByWtn](https://api.centurylink.com/Application/v1/ImprovCloud/userInfoByWtn) |

* Resource: wtnByUsername

|  |  |
| --- | --- |
| DEV1 | [https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/wtnByUsername](https://api-dev1.centurylink.com/Application/v1/ImprovCloud/wtnByUsername) |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/wtnByUsername](https://api-test1.centurylink.com/Application/v1/ImprovCloud/wtnByUsername) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/wtnByUsername> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/wtnByUsername](https://api.centurylink.com/Application/v1/ImprovCloud/wtnByUsername) |

* Resource: getOrg

|  |  |
| --- | --- |
| DEV1 | https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/getOrg |
| TEST1 | https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/getOrg |
| Sandbox | https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/getOrg |
| PROD | https://api.lumen.com/Application/v1/BSPD-ImprovServices/getOrg |

* Resource: platformClassMap

|  |  |
| --- | --- |
| DEV1 | https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/platformClassMap |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/platformClassMap](https://api-test1.centurylink.com/Application/v1/BSPD-ImprovServices/platformClassMap) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/platformClassMap> |
| PROD | https://api.lumen.com/Application/v1/BSPD-ImprovServices/platformClassMap |

* Resource: classServiceAttrMap

|  |  |
| --- | --- |
| DEV1 | https://api-dev1.lumen.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap |
| TEST1 | [https://api-test1.lumen.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap](https://api-test1.centurylink.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap) |
| Sandbox | <https://api-test.lumen.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap> |
| PROD | [https://api.lumen.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap](https://api.centurylink.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap) |

# Resource Request/Response Objects:

## Resource: createAccount

Description: Create a new IMPROV account.

### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": "A00099934",  "services": [  {  "name": "DSL",  "tn": "1000366405",  "parameters": [  {  "name": "Line",  "value": "Routing\_gpon"  },  {  "name": "Line-Encap",  "value": "IPoE"  },  {  "name": "Speed",  "value": "1000M/1000M"  }  ]  }  ],  "userAccount": {  "orgId": "Biwfiber",  "platformId": "CCO\_DNVR",  "classOfService": "BIWFR",  "customerName": "John Doe",  "ensembleBAN": "0117588",  "companyOwner": "1"  }  } } |

### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": "A00099934",  "serviceResponses": [  {  "names": [  "DSL"  ],  "tns": [  "1000366405"  ],  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "New UserAccount created successfully!"  }  }  ],  "id": "johndoe",  "password": "MdzDV5c3",  "encryptedPassword": "42Wi4n/Ly/uKA"  }  } |

### Request Fields:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Field Value(s) | Key/Value Pair Value(s) | Description | Is Required |
| “callingSystemName” | “SF” | N/A | Acronym of the calling system. | Yes |
| “correlationId” | Any | N/A | Unique identifier for soliciting and grouping requests. | Yes |
| “services" | Array of service objects | N/A | Array of service objects which include the HSI service properties. | Yes |
| “name" | “DSL” | N/A | Name of the service object. | Yes |
| “tn” | The account 10 digit DTN value | N/A | A unique 10 digit DTN. | Yes |
| “parameters” | Array of parameter objects | N/A | Array of parameter objects which include the HSI service properties. | Yes |
| “Name” (Key/Value pair properties for the service object.) | “Line” | "Routing\_gpon", "Routing\_gfast", "Routing\_ghn", "Routing\_gpongf", "Routing\_xgs" | Field indicating the technology provisioning the customer’s service. | Yes |
| “Line-Encap” | “IPoE” | Field indicating the method for transmitting the customer’s service. | No (Defaults to “IPoE”) |
| “Speed” | "1000M/1000M", "1000M/200M", "500M/500M", "100M/100M", "200M/200M", "50M/50M" | Field indicating the HSI speeds assigned to the customer’s services. | Yes |
| “Walled-Garden” | "BIWF/NonPayment", "BIWF/VacaSuspend", "BIWF/Setup", "BIWF/SmartNID" | Field indicating which walled garden the customer has been placed into. | No (Optional property) |
| “userAccount” | userAccount object | N/A | Object that contains all the customer’s account level service properties. | Yes |
| “orgId” | “Biwfiber” | N/A | Field indicating the customer’s account organization. | Yes |
| “platformId” | Any valid platformId | N/A | ID to identify which node the customer’s service will be provisioned from. | Yes |
| “classOfService” | “BIWFR”, “BIWFB”, “BIWFMDU”, “BIWFMTU” | N/A | Code indicating the customer’s class of service. | Yes |
| “customerName” | Any | N/A | Customer’s first and last name. | Yes |
| “ensembleBAN” | Any | N/A | Customer’s unique billing account identifier. | Yes |
| “companyOwner” | “1” or “4” | N/A | ID value assigned to indicate if the customer is a customer if Lumen (“1”) or BrightSpeed (“4”). | Yes |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
| “correlationId” | Any | Unique identifier for soliciting and grouping requests. |
| “serviceResponses” | Array of service response objects | Array of service response objects. |
| “name" | “DSL” | Name of the service object. |
| “tns” | The account 10 digit DTN value | A unique 10 digit DTN. |
| “message” | message object | Object that contains the service request response properties. |
| “status” | “SUCCESS”, “ERROR” | The service request response status. |
| “source” | “IMPROV” | The system processing the request. Will always be “IMPROV”. |
| “message” | “New UserAccount created successfully!”, etc. | The service request response message. |
| “id” | Any | The unique username ID created for the IMPROV account. |
| “password” | Any | The plain text password for the IMPROV account. |
| “encryptedPassword” | Any | The encrypted password for the IMPROV account. |

## Resource: updateUserAccount

Description: Update an existing IMPROV account.

### Action Type: “ADD”, “UPDATE”

Action Description: Update the existing IMPROV account object by replace the current values, with the values included in the request. Fields not included in the request will be changed. Fields which may be changed are…

* userAccount object
  + orgId, platformId, classOfService, customerName, ensembleBAN, userName, password, companyOwner
* services object
  + parameters
    - Line, Line-Encap, Speed, Walled-Garden
  + tn (Note: this value will be replaced by the newTn value, if the newTn field is included in the request.)

#### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": "A00099934",  "services": [  {  "action": "UPDATE",  "name": "DSL",  "tn": "1000366405",  "newTn": "1000366406",  "parameters": [  {  "name": "Line",  "value": "Routing\_gpon"  },  {  "name": "Line-Encap",  "value": "IPoE"  },  {  "name": "Speed",  "value": "1000M/1000M"  }  ]  }  ],  "userAccount": {  "orgId": "Biwfiber",  "platformId": "CCO\_DNVR",  "classOfService": "BIWFR",  "customerName": "John Doe",  "ensembleBAN": "0117588",  "userName": " johndoe123",  "password": "new pass",  "companyOwner": "4"  }  } } |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": "A00099934",  "serviceResponses": [  {  "names": [  "DSL"  ],  "tns": [  "1000366405"  ],  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account updated successfully!"  }  }  ]  }  } |

### Action Type: “REMOVE”

Action Description: Update the existing IMPROV account object by replacing the current values, with the account level values and TN change values, if included in the request. (Refer to action: “ADD”, “UPDATE”.) Fields included in the service object will be removed from the IMPROV account. Fields which can be removed are…

* services object
  + parameters
    - Walled-Garden

#### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": "A00099934",  "services": [  {  "action": "REMOVE",  "name": "DSL",  "tn": "1000366405",  "parameters": [  {  "name": "Walled-Garden",  "value": "BIWF/Setup"  }  ]  }  ],  "userAccount": {  "orgId": "Biwfiber",  "platformId": "CCO\_DNVR",  "classOfService": "BIWFR",  "customerName": "John Doe",  "ensembleBAN": "0117588"  }  } } |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": "A00099934",  "serviceResponses": [  {  "names": [  "DSL"  ],  "tns": [  "1000366405"  ],  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account updated successfully!"  }  }  ]  }  } |

### Action Type: “SUSPEND\_NONPAY”

Action Description: Update the existing IMPROV account object by replacing the current values, with the account level values and TN change values, if included in the request. (Refer to action: “ADD”, “UPDATE”.) The account will be placed into the “TempDeny/Notice” walled garden.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": "A00099934",  "services": [  {  "action": "SUSPEND\_NONPAY",  "name": "DSL",  "tn": "1000366405"  }  ],  "userAccount": {  "orgId": "Biwfiber",  "platformId": "CCO\_DNVR",  "classOfService": "BIWFR",  "customerName": "John Doe",  "ensembleBAN": "0117588"  }  } } |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": "A00099934",  "serviceResponses": [  {  "names": [  "DSL"  ],  "tns": [  "1000366405"  ],  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account updated successfully!"  }  }  ]  }  } |

### Action Type: “SUSPEND\_SEASONAL”

Action Description: Update the existing IMPROV account object by replacing the current values, with the account level values and TN change values, if included in the request. (Refer to action: “ADD”, “UPDATE”.) The account will be placed into the “Suspend/Seasonal” walled garden.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": "A00099934",  "services": [  {  "action": "SUSPEND\_SEASONAL ",  "name": "DSL",  "tn": "1000366405"  }  ],  "userAccount": {  "orgId": "Biwfiber",  "platformId": "CCO\_DNVR",  "classOfService": "BIWFR",  "customerName": "John Doe",  "ensembleBAN": "0117588"  }  } } |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": "A00099934",  "serviceResponses": [  {  "names": [  "DSL"  ],  "tns": [  "1000366405"  ],  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account updated successfully!"  }  }  ]  }  } |

### Action Type: “RESTORE”

Action Description: Update the existing IMPROV account object by replacing the current values, with the account level values and TN change values, if included in the request. (Refer to action: “ADD”, “UPDATE”.) The account will be removed from the walled garden that it is currently in.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": "A00099934",  "services": [  {  "action": "RESTORE",  "name": "DSL",  "tn": "1000366405"  }  ],  "userAccount": {  "orgId": "Biwfiber",  "platformId": "CCO\_DNVR",  "classOfService": "BIWFR",  "customerName": "John Doe",  "ensembleBAN": "0117588"  }  } } |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": "A00099934",  "serviceResponses": [  {  "names": [  "DSL"  ],  "tns": [  "1000366405"  ],  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account updated successfully!"  }  }  ]  }  } |

## Resource: deleteUserAccount

Description: Delete an existing active IMPROV account.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | {  "ImprovAccountRequest": {  "callingSystemName": "SF",  "correlationId": " A00099934",  "services": [  {  "name": "DSL",  "tn": "1000366405"  }  ]  }  } |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "correlationId": " A00099934",  "serviceResponses": [  {  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account deleted successfully!"  }  }  ]  }  } |

## Resource: enableUserAccount

Description: Re-enable an existing non-active (deleted) IMPROV account.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/enableUserAccount?username=johndoe |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "ImprovAccountResponse": {  "serviceResponses": [  {  "message": {  "status": "SUCCESS",  "source": "IMPROV",  "message": "User Account enabled successfully!"  }  }  ],  "id": "johndoe"  }  } |

## Resource: findUser

Description: Retrieve the information for the IMPROV account.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/findUser?WTN=1000366405 |
|  | https://api.lumen.com/Application/v1/BSPD-ImprovServices/findUser?username=johndoe |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "RequesteduserNameDetail": {  "ISPProvisioningDetail": {  "ImprovClassCode": "BIWFR",  "ImprovClassDesc": "",  "ConfigDetail": {  "RequestedUserNameId": "07c437ec-665e-103c-94f8-31d6370cba80",  "OrgId": "Biwfiber",  "AuthenticationId": "johnsam",  "EncryptedAuthenticationPassword": "pLNronXA7MsZg",  "PlatformCode": "CCO\_DNVR",  "CustomerName": {  "GenericName": "John Sam"  },  "WTN": "1000366405",  "ImprovGroup": "biwfr",  "ForeignKey": "0117588",  "PrimaryDNS": "205.171.3.65",  "SecondaryDNS": "205.171.2.65",  "PopMailServerName": "POP.DNVR.qwest.net",  "WebServerName": "www.qwest.net",  "SMTPServerName": "mail.DNVR.qwest.net",  "ISDNGatewayIPAddress": "1.1.1.1",  "NNTPServerName": "news.qwest.net",  "Email": "johnsam@qwest.net"  },  "SvcDetail": {  "DSLInfo": {  "CircuitId": "",  "VPI": "",  "VCI": "",  "TransmissionRate": "1000M/1000M",  "BCID": "",  "DSLAM-SSP": "",  "DslamSsp": "",  "EncodingMethod": "",  "LineAccessType": "Routing\_gpon",  "WalledGardenName": "",  "Policy": "Port25Deny",  "DNSRedirect": "TRUE",  "AdCtrl": "",  "IpProto": "IPv4",  "LineEncap": "IPoE",  "IsBonded": "FALSE"  },  "StaticIPv6BlockInfo": {  "StaticIPv6BlockSize": "",  "FirstSubnet": "",  "LastSubnet": ""  },  "StaticIPBlockInfo": {  "CidrPrefix": "",  "StaticIPBlockSize": "",  "NetworkIPAddress": "",  "FirstSubnet": "",  "LastSubnet": "",  "SubnetMask": "",  "Gateway": ""  }  }  },  "PrimaryuserName": {  "AuthenticationId": "johnsam",  "userNameId": "07c437ec-665e-103c-94f8-31d6370cba80",  "CustomerName": {  "GenericName": "John Sam"  },  "ActiveFlag": true,  "DefaultEmailBoxCnt": "",  "DefaultWebhostSize": ""  }  }  } |

### Request Fields:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Value(s) | Description | Is Required |
| “WTN” | An account 10 digit DTN value | A unique 10 digit DTN. | Optional (“WTN” or “username”) |
| “username” | An account username | The unique IMPROV account username. | Optional (“WTN” or “username”) |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
| “ISPProvisioningDetail” | ISPProvisioningDetail object | Object that contains the ISP service providers properties. |
| “ImprovClassCode” | “BIWFR”, “BIWFB”, “BIWFMDU”, “BIWFMTU” | Code indicating the customer’s class of service. |
| “ImprovClassDesc " | Any | Class of service description. |
| “ConfigDetail” | ConfigDetail object | Object that contains the … |
| “RequestedUserNameId” | Any | QRAD LDAP Unique ID. |
| “OrgId” | “Biwfiber” | Field indicating the customer’s account organization. |
| “AuthenticationId” | Any | The unique IMPROV account username. |
| “EncryptedAuthenticationPassword” | Any | The encrypted password for the new IMPROV account. |
| “PlatformCode” | Any valid platformId | ID to identify which node the customer’s service will be provisioned from. |
| “CustomerName” | CustomerName object | Object that contains the customer’s name. |
| “GenericName” | Any | Customer’s first and last name. |
| “WTN” | The account 10 digit DTN value | A unique 10 digit DTN. |
| “ImprovGroup” | “biwfr” | The IMPROV account group ID. |
| “ForeignKey” | Any | A unique billing account ID. |
| “PrimaryDNS” | “205.171.3.65” | Lumen ISP Primary DNS. |
| “SecondaryDNS” | “205.171.2.65” | Lumen ISP Secondary DNS. |
| “PopMailServerName” | “POP.DNVR.qwest.net” | N/A (stale old object) |
| “WebServerName” | “www.qwest.net” | N/A (stale old object) |
| “SMTPServerName” | “mail.DNVR.qwest.net” | N/A (stale old object) |
| “ISDNGatewayIPAddress” | “1.1.1.1” | N/A (stale old object) |
| “NNTPServerName” | “news.qwest.net” | N/A (stale old object) |
| “Email” | “johnsam@qwest.net” | N/A (stale old object) |
| “SvcDetail” | SvcDetail object | Object that contains the IMPROV account’s service(s) details. |
| “DSLInfo” | DSLInfo object | Object that contains the HSI service details. |
| “CircuitId” | Any | HSI circuit ID. |
| “VPI” | Any | HSI VPI. |
| “VCI” | Any | HSI VCI. |
| “TransmissionRate” | Any | HSI up and down transmission rates. |
| “BCID” | Any | HSI BCID. |
| “DSLAM-SSP” | Any | HSI DSLAM-SSP. |
| “DslamSsp” | Any | HSI DSLAM-SSP. |
| “EncodingMethod” | Any | HSI encoding mothod. |
| “LineAccessType” | "Routing\_gpon", "Routing\_gfast", "Routing\_ghn", "Routing\_gpongf", "Routing\_xgs" | Field indicating the technology provisioning the customer’s service. |
| “WalledGardenName” | "BIWF/NonPayment", "BIWF/VacaSuspend", "BIWF/Setup", "BIWF/SmartNID" | Field indicating which walled garden the customer has been placed into. |
| “Policy” | “Port25Deny”, “” | Port 25 Forwarding policy toggle. |
| “DNSRedirect” | “TRUE”, “FALSE” | DNS Redirect Boolean. |
| “AdCtrl” | “1”, “” | HSI Ad CTRL indicator. |
| “IpProto” | “IPv4” | HSI IP address protocol. |
| “LineEncap” | “IPoE” | HSI Internet Protocol. |
| “IsBonded” | “FALSE” | HSI is bonded Boolean. |
| “StaticIPv6BlockInfo” | StaticIPv6BlockInfo object | Object that contains the IMPROV account’s IPv6 details. |
| “StaticIPv6BlockSize” | Any | IPv6 block size. |
| “FirstSubnet” | Any | IPv6 block’s first subnet IP address. |
| “LastSubnet” | Any | IPv6 block’s last subnet IP address. |
| “StaticIPBlockInfo” | StaticIPBlockInfo object | Object that contains the IMPROV account’s IPv4 details. |
| “CidrPrefix” | Any | IPv4 block’s CIDR Prefix. |
| “StaticIPBlockSize” | Any | IPv4 block size. |
| “NetworkIPAddress” | Any | IPv4 block’s network IP address. |
| “FirstSubnet” | Any | IPv4 block’s first subnet IP address. |
| “LastSubnet” | Any | IPv4 block’s last subnet IP address. |
| “SubnetMask” | Any | IPv4 block’s subnet mask. |
| “Gateway” | Any | IPv4 block’s gateway IP address. |
| “PrimaryuserName” | PrimaryuserName object | Object that contains the IMPROV account’s username details. |
| “AuthenticationId” | Any | QRAD LDAP Unique ID. |
| “userNameId” | Any | The unique IMPROV account username. |
| “CustomerName” | CustomerName object | Object that contains the customer’s name. |
| “GenericName” | Any | Customer’s first and last name. |
| “ActiveFlag” | “true”, “false” | Is IMPROV account active Boolean. |
| “DefaultEmailBoxCnt” | “” | N/A (stale old object) |
| “DefaultWebhostSize” | “” | N/A (stale old object) |

## Resource: userInfoByWtn

Description: Retrieve the username and password for the IMPROV account.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/userInfoByWtn?WTN=1000366405 |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "wtn": "1000366405",  "userName": "johnsam",  "password": "T24PpSHK"  } |

### Request Fields:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Value(s) | Description | Is Required |
| “WTN” | An account 10 digit DTN value | A unique 10 digit DTN. | Yes |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
| “wtn” | An account 10 digit DTN value | A unique 10 digit DTN. |
| “username” | Any | The unique username ID created for the new IMPROV account. |
| “password” | Any | The plain text password for the IMPROV account. |

## Resource: wtnByUsername

Description: Retrieve the WTN for the IMPROV account.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/getWtnByUsername?username=johnsam |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "userName": "johnsam",  "WTN": "1000366405"  } |

### Request Fields:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Value(s) | Description | Is Required |
| “username” | An account 10 digit DTN value | A unique 10 digit DTN. | Yes |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
| “username” | Any | The unique username ID created for the IMPROV account. |
| “WTN” | An account 10 digit DTN value | A unique 10 digit DTN. |

## Resource: getOrg

Description: Retrieve the array list of IMPROV Org ID.

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/getOrg |

#### Response Example:

|  |  |
| --- | --- |
| Response Object | {  "OrgIdList": [  "embarq",  "ctel",  "madriver",  "newco",  "biwfiber",  "qwest",  "Qwest",  "Embarq",  "Ctel",  "Madriver",  "Newco",  "Biwfiber"  ]  } |

### Request Fields:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Value(s) | Description | Is Required |
| N/A | N/A | N/A | No |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
| “OrgIdList” | Array list of OrgIdList objects. | Array of orgId response strings. |

## Resource: platformClassMap

Description:

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/platformClassMap |

#### Response Example:

|  |  |
| --- | --- |
| Response Object |  |

### Request Fields:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Value(s) | Description | Is Required |
|  |  |  | No |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
|  |  |  |
|  |  |  |

## Resource: classServiceAttrMap

Description:

#### Request Example:

|  |  |
| --- | --- |
| Request Object | https://api.lumen.com/Application/v1/BSPD-ImprovServices/classServiceAttrMap |

#### Response Example:

|  |  |
| --- | --- |
| Response Object |  |

### Request Fields:

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Value(s) | Description | Is Required |
|  |  |  | No |

### Response Fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Field Value(s) | Description |
|  |  |  |
|  |  |  |