Hitachi Ops Center Protector

7.11

REST API Change Log

This guide provides a list of REST API changes for users that develop scripts or applications that use Hitachi Ops Center Protector.

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What's New

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Ports/{primaryKeyId}

> Get port by ID

`PUT` /{destinationNode}/VirtualStoragePlatformHandler/services/Ports/actions/refresh/invoke

> Refresh ports

`DELETE` /{destinationNode}/VSSBHandler/objects/Journals/{primaryKeyId}

> Delete a journal by ID

What's Deleted

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Port/{primaryKeyId}

> Get port by ID

`PUT` /{destinationNode}/VirtualStoragePlatformHandler/services/Port/actions/refresh/invoke

> Refresh ports

What's Changed

`GET` /master/DataflowHandler/objects/ActiveDataflows

Return Type:

Changed response : **200 OK**
> Successful operation

* Changed content type : `application/json`

`GET` /master/DataflowHandler/objects/ActiveDataflows/{primaryKeyId}

Return Type:

Changed response : **200 OK**
> Successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/Instances

Return Type:

Changed response : **200 OK**
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/Instances/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/RecoveryPoints

Return Type:

Changed response : ****200 OK****
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/RecoveryPoints/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/RecoveryPointItems

Return Type:

Changed response : **200 OK**
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/RecoveryPointItems/{primaryKeyId}

Return Type:

Changed response : **200 OK**
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/DataInstances

Return Type:

Changed response : **200 OK**
> successful operation

* Changed content type : `application/json`

`GET` /master/RecoveryPointMetaDataAggregator/objects/DataInstances/{primaryKeyId}

Return Type:

Changed response : **200 OK**
> Unreachable

* Changed content type : `application/json`

`GET`
/master/Provisioning/objects/Nodes/{primaryKeyId}/actions/resolve/invoke

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Added property `storageNodeType` (string)
    > Agentless node type of the storage system

`GET`
/{destinationNode}/VirtualStoragePlatformHandler/objects/Journals/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Added property `storageNodeType` (string)
    > Agentless node type of the storage system

  * Changed property `logicalDevices` (array)
    > The LDEVs that make up this journal

Changed items (object):
> A drive or logical device in a Hitachi Virtual Storage Platform

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/LogicalDevices/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Pools/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Added property `uuid` (string)
    > UUID of the pool, if appropriate for the type of storage system

  * Added property `storageUuid` (string)
    > UUID of the storage system, if appropriate for its type

  * Added property `storageNodeType` (string)
    > Agentless node type of the storage system

`GET` /{destinationNode}/VSSBHandler/objects/Storage

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Added property `legacySerial` (string)

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/HostGroups/{primaryKeyId}/collections/logicaldevices

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `logicalDevice` (array)
> Array of resources

Changed items (object):
> A drive or logical device in a Hitachi Virtual Storage Platform

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Journals

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `journal` (array)
> Array of resources

Changed items (object):
> Represents a Journal

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

* Changed property `logicalDevices` (array)
> The LDEVs that make up this journal

Changed items (object):
> A drive or logical device in a Hitachi Virtual Storage Platform

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/LogicalDevices

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `logicalDevice` (array)
> Array of resources

Changed items (object):
> A drive or logical device in a Hitachi Virtual Storage Platform

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Pools

Return Type:

Changed response : **200 OK**
> Successful operation

* Changed content type : `application/json`

  * Changed property `pool` (array)
    > Array of resources

    Changed items (object):
      > Dynamic or snapshot pools

    * Added property `uuid` (string)
      > UUID of the pool, if appropriate for the type of storage system

    * Added property `storageUuid` (string)
      > UUID of the storage system, if appropriate for its type

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Replications/{primaryKeyId}/collections/logicaldevices

Return Type:

Changed response : **200 OK**
> Successful operation

* Changed content type : `application/json`

  * Changed property `logicalDevice` (array)
    > Array of resources

    Changed items (object):
      > A drive or logical device in a Hitachi Virtual Storage Platform

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Replications/{primaryKeyId}/collections/journals

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `journal` (array)
    > Array of resources

    Changed items (object):
      > Represents a Journal

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

* Changed property `logicalDevices` (array)
> The LDEVs that make up this journal

Changed items (object):
> A drive or logical device in a Hitachi Virtual Storage Platform

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Replications/{primaryKeyId}/collections/pools

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `pool` (array)
> Array of resources

Changed items (object):
> Dynamic or snapshot pools

* Added property `uuid` (string)
> UUID of the pool, if appropriate for the type of storage system

* Added property `storageUuid` (string)
  > UUID of the storage system, if appropriate for its type

* Added property `storageNodeType` (string)
  > Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Snapshots/{primaryKeyId}/collections/logicaldevices

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `logicalDevice` (array)
    > Array of resources

    Changed items (object):
      > A drive or logical device in a Hitachi Virtual Storage Platform

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

`GET` /{destinationNode}/VirtualStoragePlatformHandler/objects/Snapshots/{primaryKeyId}/collections/pools

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `pool` (array)
    > Array of resources

    Changed items (object):
      > Dynamic or snapshot pools

    * Added property `uuid` (string)
      > UUID of the pool, if appropriate for the type of storage system

    * Added property `storageUuid` (string)
      > UUID of the storage system, if appropriate for its type

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

`GET` /{destinationNode}/VSSBHandler/objects/Replications/{primaryKeyId}/collections/logicaldevices

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `logicalDevice` (array)
    > Array of resources

    Changed items (object):
      > A drive or logical device in a Hitachi Virtual Storage Platform

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

`GET` /{destinationNode}/VSSBHandler/objects/Replications/{primaryKeyId}/collections/journals

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `journal` (array)
    > Array of resources

    Changed items (object):
      > Represents a Journal

    * Added property `storageNodeType` (string)
      > Agentless node type of the storage system

* Changed property `logicalDevices` (array)
> The LDEVs that make up this journal

Changed items (object):
> A drive or logical device in a Hitachi Virtual Storage Platform

* Added property `storageNodeType` (string)
> Agentless node type of the storage system

`GET` /master/StorageManagement/objects/RecoveryPoints

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `recoveryPoint` (array)
> Array of resources

Changed items (object):
> The properties of this class MUST match those of the RecoveryPointMetadataStore::RecoveryPoint

* Added property `locked` (boolean)
> A locked recovery point cannot expire or be deleted

* Changed property `id` (string)
> Globally unique ID of the recovery point. NOTE: All other properties MUST be the same as those in RecoveryPointMetadataStore::RecoveryPoint

`GET` /master/StorageManagement/objects/Stores/{primaryKeyId}/collections/recoverypoints

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `recoveryPoint` (array)
> Array of resources

Changed items (object):
> The properties of this class MUST match those of the RecoveryPointMetadataStore::RecoveryPoint

* Added property `locked` (boolean)
> A locked recovery point cannot expire or be deleted

* Changed property `id` (string)
> Globally unique ID of the recovery point. NOTE: All other properties MUST be the same as those in RecoveryPointMetadataStore::RecoveryPoint

`GET` /master/DataflowHandler/objects/Dataflows/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `data` (object)

    * Changed property `nodes` (array)

      Changed items (object):
        > Instance of a node on a dataflow

      * Changed property `assignedPolicies` (array)

        Changed items (object):
          > Policy assigned to a node

        * Changed property `operations` (array)

          Changed items (object):
            > Selected operation on an assigned policy

          * Changed property `ot_vspReplication` (object)
            > Data for a VSP replication operation

            * Added property `journalNumber` (integer)
              > Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

`PUT` /master/DataflowHandler/objects/Dataflows/{primaryKeyId}

Request:

Changed content type : `application/json`

* Changed property `data` (object)

  * Changed property `nodes` (array)

    Changed items (object):
      > Instance of a node on a dataflow

    * Changed property `assignedPolicies` (array)

      Changed items (object):
        > Policy assigned to a node

      * Changed property `operations` (array)

        Changed items (object):
          > Selected operation on an assigned policy

        * Changed property `ot_vspReplication` (object)
          > Data for a VSP replication operation

          * Added property `journalNumber` (integer)
            > Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

Return Type:

Changed response : ****200 OK****
> Update successful

* Changed content type : `application/json`

  * Changed property `data` (object)

    * Changed property `nodes` (array)

      Changed items (object):
        > Instance of a node on a dataflow

      * Changed property `assignedPolicies` (array)

        Changed items (object):
          > Policy assigned to a node

        * Changed property `operations` (array)

          Changed items (object):
            > Selected operation on an assigned policy

          * Changed property `ot_vspReplication` (object)
            > Data for a VSP replication operation

            * Added property `journalNumber` (integer)
              > Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

`PATCH` /master/DataflowHandler/objects/Dataflows/{primaryKeyId}

Return Type:

Changed response : **200 OK**
> update successful

* Changed content type : `application/json`

  * Changed property `data` (object)

    * Changed property `nodes` (array)

      Changed items (object):
        > Instance of a node on a dataflow

      * Changed property `assignedPolicies` (array)

        Changed items (object):
          > Policy assigned to a node

        * Changed property `operations` (array)

          Changed items (object):
            > Selected operation on an assigned policy

          * Changed property `ot_vspReplication` (object)
            > Data for a VSP replication operation

            * Added property `journalNumber` (integer)
              > Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications

on either source or destination

`POST` /master/DataflowHandler/objects/Dataflows

Request:

Changed content type : `application/json`

* Changed property `data` (object)

  * Changed property `nodes` (array)

    Changed items (object):
      > Instance of a node on a dataflow

    * Changed property `assignedPolicies` (array)

      Changed items (object):
        > Policy assigned to a node

      * Changed property `operations` (array)

        Changed items (object):
          > Selected operation on an assigned policy

        * Changed property `ot_vspReplication` (object)
          > Data for a VSP replication operation

          * Added property `journalNumber` (integer)
            > Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

Return Type:

Changed response : ****201 Created****
> Creation successful

* Changed content type : `application/json`

  * Changed property `data` (object)

    * Changed property `nodes` (array)

      Changed items (object):
        > Instance of a node on a dataflow

      * Changed property `assignedPolicies` (array)

        Changed items (object):
          > Policy assigned to a node

        * Changed property `operations` (array)

          Changed items (object):
            > Selected operation on an assigned policy

          * Changed property `ot_vspReplication` (object)
            > Data for a VSP replication operation

            * Added property `journalNumber` (integer)
              > Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

`GET` /master/DataflowHandler/objects/Dataflows

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `dataflow` (array)
    > Array of resources

    Changed items (object):

    * Changed property `data` (object)

      * Changed property `nodes` (array)

        Changed items (object):
          > Instance of a node on a dataflow

        * Changed property `assignedPolicies` (array)

          Changed items (object):
            > Policy assigned to a node

          * Changed property `operations` (array)

            Changed items (object):
              > Selected operation on an assigned policy

* Changed property `ot_vspReplication` (object)
> Data for a VSP replication operation

* Added property `journalNumber` (integer)
> Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

`GET` /master/HiTrackHandler/objects/Telemetries/{primaryKeyId}

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

* Changed property `dataflows` (array)
> List of data flows

Changed items (object):
> Details of a data flow

* Changed property `dataflow` (object)

* Changed property `data` (object)

* Changed property `nodes` (array)

Changed items (object):
> Instance of a node on a dataflow

* Changed property `assignedPolicies` (array)

Changed items (object):
> Policy assigned to a node

* Changed property `operations` (array)

Changed items (object):
> Selected operation on an assigned policy

* Changed property `ot_vspReplication` (object)
> Data for a VSP replication operation

* Added property `journalNumber` (integer)
> Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

`POST` /master/HiTrackHandler/objects/Telemetries

Request:

Changed content type : `application/json`

* Changed property `dataflows` (array)
> List of data flows

Changed items (object):
> Details of a data flow

* Changed property `dataflow` (object)

* Changed property `data` (object)

* Changed property `nodes` (array)

Changed items (object):
> Instance of a node on a dataflow

* Changed property `assignedPolicies` (array)

Changed items (object):
> Policy assigned to a node

* Changed property `operations` (array)

Changed items (object):
> Selected operation on an assigned policy

* Changed property `ot_vspReplication` (object)
> Data for a VSP replication operation

* Added property `journalNumber` (integer)
> Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

Return Type:

Changed response : ****201 Created****
> Creation successful

* Changed content type : `application/json`

  * Changed property `dataflows` (array)
    > List of data flows

    Changed items (object):
      > Details of a data flow

    * Changed property `dataflow` (object)

      * Changed property `data` (object)

        * Changed property `nodes` (array)

          Changed items (object):
            > Instance of a node on a dataflow

          * Changed property `assignedPolicies` (array)

            Changed items (object):
              > Policy assigned to a node

            * Changed property `operations` (array)

              Changed items (object):
                > Selected operation on an assigned policy

              * Changed property `ot_vspReplication` (object)
                > Data for a VSP replication operation

                * Added property `journalNumber` (integer)

> Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination

`GET` /master/HiTrackHandler/objects/Telemetries

Return Type:

Changed response : ****200 OK****
> Successful operation

* Changed content type : `application/json`

  * Changed property `telemetry` (array)
    > Array of resources

    Changed items (object):
      > An aggregation of all telemetry data

    * Changed property `dataflows` (array)
      > List of data flows

      Changed items (object):
        > Details of a data flow

      * Changed property `dataflow` (object)

        * Changed property `data` (object)

          * Changed property `nodes` (array)

Changed items (object):
> Instance of a node on a dataflow

* Changed property `assignedPolicies` (array)

Changed items (object):
> Policy assigned to a node

* Changed property `operations` (array)

Changed items (object):
> Selected operation on an assigned policy

* Changed property `ot_vspReplication` (object)
> Data for a VSP replication operation

* Added property `journalNumber` (integer)
> Journal number to use (Software Block Device only), which will also be used as the consistency group (CTG) ID, and thus should not be shared with other replications on either source or destination