

SMI Micro-service
Chassis Inventory

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1. Overview

1.1. Version information

Version : API Version :1.0

Release Version :1.0.51

Release Tag :devel

Release Date :10-05-2017_02-12

1.2. URI scheme

Host : 10.62.59.155:46001

BasePath : /

1.3. Tags

- chassis-inventory-controller : Chassis Inventory Controller

2. Resources

2.1. Chassis-inventory-controller

Chassis Inventory Controller

2.1.1. /callback

POST /api/1.0/chassis/inventory/callback

Description

This operation allows a user to retrieve all the chassis inventory via the Racadm. It uses callback uri to respond once the inventory is collected. Type value : summary : details

Parameters

Type	Name	Description	Schema
Body	inventoryCallbackRequest <i>required</i>	inventoryCallbackRequest	InventoryCallbackRequest

Responses

HTTP Code	Description	Schema
200	Success	ResponseString
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Failure	No Content

Consumes

- `application/json`

Produces

- `application/json`

Example HTTP request

Request path

```
/api/1.0/chassis/inventory/callback
```

Request body

```
{
  "callbackGraph" : "string",
  "callbackUri" : "string",
  "credential" : {
    "address" : "string",
    "identifier" : "string",
    "password" : "string",
    "userName" : "string"
  },
  "type" : "string"
}
```

Example HTTP response

Response 200

```
{
  "callbackUri" : "string",
  "response" : "string"
}
```

2.1.2. /details

POST /api/1.0/chassis/inventory/details

Description

This operation allows a user to retrieve complete chassis hardware inventory via the Racadm.

Parameters

Type	Name	Description	Schema
Body	credential <i>required</i>	credential	Credential

Responses

HTTP Code	Description	Schema
200	Success	ChassisDetail
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Failure	No Content

Consumes

- `application/json`

Produces

- `application/json`

Example HTTP request

Request path

/api/1.0/chassis/inventory/details

Request body

```
{
  "address" : "string",
  "identifier" : "string",
  "password" : "string",
  "userName" : "string"
}
```

Example HTTP response

Response 200

```
{
  "chassisControllers" : [ {
    "controllerStatus" : "string",
    "firmwareVersion" : "string",
    "hardwareVersion" : "string",
    "id" : 0,
    "lastFirmwareUpdateTime" : "string",
    "location" : "string",
    "midplaneVersion" : "string",
    "name" : "string"
  } ],
  "chassisFans" : [ {
    "health" : "string",
    "id" : 0,
    "lc" : "string",
    "lw" : "string",
    "name" : "string",
    "powerStatus" : "string",
    "present" : "string",
    "reading" : "string",
    "status" : "string",
    "uc" : "string",
    "units" : "string",
    "uw" : "string"
  } ],
  "chassisIkvm" : [ {
    "firmwareVersion" : "string",
    "frontPanelEnabled" : 0,
    "health" : "string",
    "id" : 0,
    "manufacturer" : "string",
    "name" : "string",
    "partNumber" : "string",
    "powerStatus" : "string"
  } ],
  "chassisIoms" : [ {
```

```

    "dhcpEnabled" : true,
    "fabric" : "string",
    "firmwareVersion" : "string",
    "gateway" : "string",
    "hardwareVersion" : "string",
    "id" : 0,
    "ipAddress" : "string",
    "macAddress" : "string",
    "name" : "string",
    "number" : "string",
    "powerStatus" : "string",
    "present" : true,
    "role" : "string",
    "serviceTag" : "string",
    "slot" : "string",
    "subnetMask" : "string"
  } ],
  "chassisPcis" : [ {
    "adapterPresent" : "string",
    "allocatedSlotPower" : "string",
    "assignmentStatus" : "string",
    "fabric" : "string",
    "id" : 0,
    "pciDeviceId" : "string",
    "pciVendorId" : "string",
    "powerStatus" : "string",
    "serverMapping" : "string",
    "serverSlot" : "string",
    "slotName" : "string",
    "slotNumber" : "string",
    "slotType" : "string"
  } ],
  "chassisPowerSupply" : [ {
    "capacity" : "string",
    "id" : 0,
    "name" : "string",
    "powerStatus" : "string",
    "present" : "string"
  } ],
  "chassisStashStorages" : [ {
    "assetTag" : "string",
    "health" : "string",
    "id" : 0,
    "intrusionState" : "string",
    "model" : "string",
    "numberOfControllers" : 0,
    "powerStatus" : "string",
    "presence" : "string",
    "serviceTag" : "string",
    "slotName" : "string",
    "slotNumber" : 0,

```

```

    "storageMode" : "string"
  } ],
  "chassisTemperatureSensors" : [ {
    "id" : 0,
    "lc" : "string",
    "lw" : "string",
    "number" : "string",
    "reading" : "string",
    "sensorName" : "string",
    "sensorUnits" : "string",
    "status" : "string",
    "uc" : "string",
    "uw" : "string"
  } ],
  "dnsName" : "string",
  "freeSlots" : 0,
  "iceeState" : "string",
  "id" : "string",
  "location" : "string",
  "model" : "string",
  "name" : "string",
  "overallHealth" : "string",
  "powerState" : "string",
  "servers" : [ {
    "chassisSlotName" : "string",
    "healthStatus" : "string",
    "id" : 0,
    "powerStatus" : "string",
    "presence" : "string",
    "serviceTag" : "string"
  } ],
  "serviceTag" : "string",
  "status" : "string",
  "statusMessage" : "string",
  "totalSlots" : 0
}

```

2.1.3. /summary

```
POST /api/1.0/chassis/inventory/summary
```

Description

This operation allows a user to retrieve chassis summary information via the Racadm.

Parameters

Type	Name	Description	Schema
Body	credential <i>required</i>	credential	Credential

Responses

HTTP Code	Description	Schema
200	Success	ChassisSummary
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Failure	No Content

Consumes

- `application/json`

Produces

- `application/json`

Example HTTP request

Request path

```
/api/1.0/chassis/inventory/summary
```

Request body

```
{
  "address" : "string",
  "identifier" : "string",
  "password" : "string",
  "userName" : "string"
}
```

Example HTTP response

Response 200

```

{
  "dnsName" : "string",
  "freeSlots" : 0,
  "iceeState" : "string",
  "id" : "string",
  "location" : "string",
  "model" : "string",
  "name" : "string",
  "overallHealth" : "string",
  "powerState" : "string",
  "serviceTag" : "string",
  "status" : "string",
  "statusMessage" : "string",
  "totalSlots" : 0
}

```

3. Definitions

3.1. ChassisControllers

Name	Description	Schema
controllerStatus <i>optional</i>	Example : "string"	enum (ONLINE, OFFLINE)
firmwareVersion <i>optional</i>	Example : "string"	string
hardwareVersion <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : 0	integer (int64)
lastFirmwareUpdateTime <i>optional</i>	Example : "string"	string
location <i>optional</i>	Example : "string"	string
midplaneVersion <i>optional</i>	Example : "string"	string
name <i>optional</i>	Example : "string"	string

3.2. ChassisDetail

Name	Description	Schema
chassisControllers <i>optional</i>	Example : ["ChassisControllers"]	< ChassisControllers > array
chassisFans <i>optional</i>	Example : ["ChassisFan"]	< ChassisFan > array
chassisIkvm <i>optional</i>	Example : ["ChassisIkvmModel"]	< ChassisIkvmModel > array
chassisIoms <i>optional</i>	Example : ["ChassisIomModel"]	< ChassisIomModel > array
chassisPcis <i>optional</i>	Example : ["ChassisPci"]	< ChassisPci > array
chassisPowerSupply <i>optional</i>	Example : ["ChassisPowerSupply"]	< ChassisPowerSupply > array
chassisStashStorages <i>optional</i>	Example : ["ChassisStashStorage"]	< ChassisStashStorage > array
chassisTemperatureSensors <i>optional</i>	Example : ["ChassisTemperatureSensor"]	< ChassisTemperatureSensor > array
dnsName <i>optional</i>	Example : "string"	string
freeSlots <i>optional</i>	Example : 0	integer (int32)
iceeState <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : "string"	string
location <i>optional</i>	Example : "string"	string
model <i>optional</i>	Example : "string"	string
name <i>optional</i>	Example : "string"	string
overallHealth <i>optional</i>	Example : "string"	string
powerState <i>optional</i>	Example : "string"	string
servers <i>optional</i>	Example : ["ChassisServerModel"]	< ChassisServerModel > array

Name	Description	Schema
serviceTag <i>optional</i>	Example : "string"	string
status <i>optional</i>	Example : "string"	string
statusMessage <i>optional</i>	Example : "string"	string
totalSlots <i>optional</i>	Example : 0	integer (int32)

3.3. ChassisFan

Name	Description	Schema
health <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : 0	integer (int64)
lc <i>optional</i>	Example : "string"	string
lw <i>optional</i>	Example : "string"	string
name <i>optional</i>	Example : "string"	string
powerStatus <i>optional</i>	Example : "string"	enum (ON, OFF, ONLINE, OFFLINE, STANDBY, SLOT_EMPTY, INIT, DIAGNOSTICS, FAILED_NO_INPUT_POWER, UPDATING, FAILED, UNKNOWN, NA)
present <i>optional</i>	Example : "string"	string
reading <i>optional</i>	Example : "string"	string
status <i>optional</i>	Example : "string"	string
uc <i>optional</i>	Example : "string"	string
units <i>optional</i>	Example : "string"	string
uw <i>optional</i>	Example : "string"	string

3.4. ChassisIkvModel

Name	Description	Schema
firmwareVersion <i>optional</i>	Example : "string"	string
frontPanelEnabled <i>optional</i>	Example : 0	integer (int32)
health <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : 0	integer (int64)
manufacturer <i>optional</i>	Example : "string"	string
name <i>optional</i>	Example : "string"	string
partNumber <i>optional</i>	Example : "string"	string
powerStatus <i>optional</i>	Example : "string"	enum (ON, OFF, ONLINE, OFFLINE, STANDBY, SLOT_EMPTY, INIT, DIAGNOSTICS, FAILED_NO_INPUT_POWER, UPDATING, FAILED, UNKNOWN, NA)

3.5. ChassisIomModel

Name	Description	Schema
dhcpEnabled <i>optional</i>	Example : true	boolean
fabric <i>optional</i>	Example : "string"	string
firmwareVersion <i>optional</i>	Example : "string"	string
gateway <i>optional</i>	Example : "string"	string
hardwareVersion <i>optional</i>	Example : "string"	string

Name	Description	Schema
id <i>optional</i>	Example : 0	integer (int64)
ipAddress <i>optional</i>	Example : "string"	string
macAddress <i>optional</i>	Example : "string"	string
name <i>optional</i>	Example : "string"	string
number <i>optional</i>	Example : "string"	string
powerStatus <i>optional</i>	Example : "string"	enum (ON, OFF, ONLINE, OFFLINE, STANDBY, SLOT_EMPTY, INIT, DIAGNOSTICS, FAILED_NO_INPUT_POWER, UPDATING, FAILED, UNKNOWN, NA)
present <i>optional</i>	Example : true	boolean
role <i>optional</i>	Example : "string"	string
serviceTag <i>optional</i>	Example : "string"	string
slot <i>optional</i>	Example : "string"	string
subnetMask <i>optional</i>	Example : "string"	string

3.6. ChassisPci

Name	Description	Schema
adapterPresent <i>optional</i>	Example : "string"	string
allocatedSlotPower <i>optional</i>	Example : "string"	string
assignmentStatus <i>optional</i>	Example : "string"	string
fabric <i>optional</i>	Example : "string"	string

Name	Description	Schema
id <i>optional</i>	Example : 0	integer (int64)
pciDeviceId <i>optional</i>	Example : "string"	string
pciVendorId <i>optional</i>	Example : "string"	string
powerStatus <i>optional</i>	Example : "string"	enum (ON, OFF, ONLINE, OFFLINE, STANDBY, SLOT_EMPTY, INIT, DIAGNOSTICS, FAILED_NO_INPUT_POWER, UPDATING, FAILED, UNKNOWN, NA)
serverMapping <i>optional</i>	Example : "string"	string
serverSlot <i>optional</i>	Example : "string"	string
slotName <i>optional</i>	Example : "string"	string
slotNumber <i>optional</i>	Example : "string"	string
slotType <i>optional</i>	Example : "string"	string

3.7. ChassisPowerSupply

Name	Description	Schema
capacity <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : 0	integer (int64)
name <i>optional</i>	Example : "string"	string
powerStatus <i>optional</i>	Example : "string"	enum (ON, OFF, ONLINE, OFFLINE, STANDBY, SLOT_EMPTY, INIT, DIAGNOSTICS, FAILED_NO_INPUT_POWER, UPDATING, FAILED, UNKNOWN, NA)

Name	Description	Schema
present <i>optional</i>	Example : "string"	string

3.8. ChassisServerModel

Name	Description	Schema
chassisSlotName <i>optional</i>	Example : "string"	string
healthStatus <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : 0	integer (int64)
powerStatus <i>optional</i>	Example : "string"	string
presence <i>optional</i>	Example : "string"	string
serviceTag <i>optional</i>	Example : "string"	string

3.9. ChassisStashStorage

Name	Description	Schema
assetTag <i>optional</i>	Example : "string"	string
health <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : 0	integer (int64)
intrusionState <i>optional</i>	Example : "string"	string
model <i>optional</i>	Example : "string"	string
numberOfControllers <i>optional</i>	Example : 0	integer (int32)

Name	Description	Schema
powerStatus <i>optional</i>	Example : "string"	enum (ON, OFF, ONLINE, OFFLINE, STANDBY, SLOT_EMPTY, INIT, DIAGNOSTICS, FAILED_NO_INPUT_POWER, UPDATING, FAILED, UNKNOWN, NA)
presence <i>optional</i>	Example : "string"	string
serviceTag <i>optional</i>	Example : "string"	string
slotName <i>optional</i>	Example : "string"	string
slotNumber <i>optional</i>	Example : 0	integer (int32)
storageMode <i>optional</i>	Example : "string"	string

3.10. ChassisSummary

Name	Description	Schema
dnsName <i>optional</i>	Example : "string"	string
freeSlots <i>optional</i>	Example : 0	integer (int32)
iceeState <i>optional</i>	Example : "string"	string
id <i>optional</i>	Example : "string"	string
location <i>optional</i>	Example : "string"	string
model <i>optional</i>	Example : "string"	string
name <i>optional</i>	Example : "string"	string
overallHealth <i>optional</i>	Example : "string"	string
powerState <i>optional</i>	Example : "string"	string
serviceTag <i>optional</i>	Example : "string"	string

Name	Description	Schema
status <i>optional</i>	Example : "string"	string
statusMessage <i>optional</i>	Example : "string"	string
totalSlots <i>optional</i>	Example : 0	integer (int32)

3.11. ChassisTemperatureSensor

Name	Description	Schema
id <i>optional</i>	Example : 0	integer (int64)
lc <i>optional</i>	Example : "string"	string
lw <i>optional</i>	Example : "string"	string
number <i>optional</i>	Example : "string"	string
reading <i>optional</i>	Example : "string"	string
sensorName <i>optional</i>	Example : "string"	string
sensorUnits <i>optional</i>	Example : "string"	string
status <i>optional</i>	Example : "string"	string
uc <i>optional</i>	Example : "string"	string
uw <i>optional</i>	Example : "string"	string

3.12. Credential

Device access credential.

Name	Description	Schema
address <i>required</i>	IP Address Example : "string"	string
identifier <i>optional</i>	Service identifier like service tag ... etc Example : "string"	string
password <i>required</i>	Password. Example : "string"	string

Name	Description	Schema
userName <i>required</i>	Username. Example : "string"	string

3.13. InventoryCallbackRequest

Inventory callback request for device inventory.

Name	Description	Schema
callbackGraph <i>optional</i>	CallbackGraph. Example : "string"	string
callbackUri <i>required</i>	CallbackUri. Example : "string"	string
credential <i>required</i>	Credential Example : "Credential"	Credential
type <i>required</i>	Type. Example : "string"	string

3.14. ResponseString

Name	Description	Schema
callbackUri <i>optional</i>	Example : "string"	string
response <i>optional</i>	Example : "string"	string