

OCF “Jakarta” – New Vendorlist Resource Type – Core Technology WG CR 3487

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***** Change #1 *****

NOTE: this is the auto-generated text from the proposal. All of the changes are new.

A.1 Vendor List

A.1.1 Introduction

This Resource describes the current vendor and supported vendors for an OCF Device (e.g. the set of possible A/C vendors to which an A/C Assistant can connect).

The current vendor can be read or set, setting indicates a desired vendor.

A device may reject an attempt to set a vendor that is not found in supported vendors.

The Property "supportedVendors" is an array of the possible vendor names.

The value of "supportedVendors" is Device specific.

The Property "currentVendor" is one vendor selected from "supportedVendors".

The Property "status" is current operation status when the "currentVendor" is set.

A.1.2 Example URI

/VendorListResURI

A.1.3 Resource type

The Resource Type is defined as: "oic.r.vendorlist".

A.1.4 OpenAPI 2.0 definition

```
{
  "swagger": "2.0",
  "info": {
    "title": "Vendor List",
    "version": "2021-05-20",
    "license": {
      "name": "OCF Data Model License",
      "url":
"https://github.com/openconnectivityfoundation/core/blob/e28a9e0a92e17042ba3e83661e4c0fbce8bdc4b
a/LICENSE.md",
      "x-copyright": "copyright 2021 Open Connectivity Foundation, Inc. All rights reserved."
    },
    "termsOfService": "https://openconnectivityfoundation.github.io/core/DISCLAIMER.md"
  },
  "schemes": ["http"],
  "consumes": ["application/json"],
  "produces": ["application/json"],
  "paths": {
    "/VendorListResURI": {
      "get": {
        "description": "This Resource describes the current vendor and supported vendors for an
OCF Device (e.g. the set of possible A/C vendors to which an A/C Assistant can connect).\nThe
current vendor can be read or set, setting indicates a desired vendor.\nA device may reject an
attempt to set a vendor that is not found in supported vendors.\nThe Property
\"supportedVendors\" is an array of the possible vendor names.\nThe value of
\"supportedVendors\" is Device specific.\nThe Property \"currentVendor\" is one vendor selected
from \"supportedVendors\".\nThe Property \"status\" is current operation status when the
\"currentVendor\" is set . ",
        "parameters": [
          {"$ref": "#/parameters/interface"}
        ],
        "responses": {
          "200": {
            "description": "RETRIEVES the information for vendorList Resource.",
            "x-example": {
              "rt": ["oic.r.vendorlist"],
              "if": ["oic.if.rw", "oic.if.baseline"],
              "supportedVendors": ["none","haier", "gree", "tcl", "lg"],
              "currentVendor": "lg",
              "status": "vendorset"
            }
          }
        }
      }
    }
  }
}
```

```

    },
    "schema": { "$ref": "#/definitions/VendorList" }
  }
},
"post": {
  "description": "changes the vendorList.",
  "parameters": [
    { "$ref": "#/parameters/interface" },
    {
      "name": "body",
      "in": "body",
      "required": true,
      "schema": { "$ref": "#/definitions/VendorListUpdate" },
      "x-example": {
        "currentVendor": "lg"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "Gives the information for the new currentVendor value ",
      "x-example": {
        "currentVendor": "lg",
        "status": "failed"
      },
      "schema": { "$ref": "#/definitions/VendorListUpdate" }
    },
    "403": {
      "description": "This response is generated by the OCF Server when the client
sends:\n An UPDATE with an value for \"currentVendor\" that is not found
in \"supportedvendors\" .\n The server may respond with the current resource representation.",
      "x-example": {
        "supportedVendors": ["none", "haier", "gree", "tcl", "lg"],
        "currentVendor": "lg",
        "status": "failed"
      },
      "schema": { "$ref": "#/definitions/VendorListUpdate" }
    }
  }
},
"parameters": {
  "interface": {
    "in": "query",
    "name": "if",
    "type": "string",
    "enum": ["oic.if.rw", "oic.if.baseline"]
  }
},
"definitions": {
  "VendorList": {
    "properties": {
      "rt": {
        "description": "The Resource Type.",
        "items": {
          "enum": ["oic.r.vendorlist"],
          "maxLength": 64,
          "type": "string"
        },
        "minItems": 1,
        "uniqueItems": true,
        "readOnly": true,
        "type": "array"
      },
      "currentVendor": {
        "description": "The current Vendor selected from \"supportedVendors\".",
        "type": "string"
      }
    }
  }
}

```


}

A.1.5 Property definition

<Table Reference Here> defines the Properties that are part of the "oic.r.vendorlist" Resource Type.

Table 1 – The Property definitions of the Resource with type "rt" = "oic.r.vendorlist".

Property name	Value type	Mandatory	Access mode	Description
Rt	array: see schema	No	Read Only	The Resource Type.
currentVendor	string	Yes	Read Write	The current Vendor selected from "supportedVendors".
supportedVendors	array: see schema	Yes	Read Only	The array of the possible vendors.
Status	string	Yes	Read Write	<p>Current operation status based on the selected current Vendor.</p> <p>novendor: this is the state when the selected vendor is none.</p> <p>processing: this is the state when a vendor is selected and the device automatically moves to this state.</p> <p>vendorsset: this is the state when the vendor has been set and the processing that took place has been successful.</p> <p>failed: this is the state when the vendor has been set and the processing that took place was failed. The only way to come out of this state is to UPDATE "currentvendor" with a new vendor. The "status" is only writable when the "status" is processing and from that state can be set to either "failed" if the user determines previous processing failed, or to "vendorsset" if the user determines that previous processing was successful.</p>
N	multiple types: see schema	No	Read Write	

Id	multiple types: see schema	No	Read Write	
If	array: see schema	No	Read Only	The OCF Interface set supported by this Resource.
currentVendor	string		Read Write	The current vendor selected from "supportedVendors".
Status	string		Read Write	The current operation status. Only when the "status" is "processing", it is writable and it only can be set to "failed" or "venderset". The device should reject an attempt to set the "status" to values other than "failed" and "venderset". And the device should reject any attempt to update the "status" when the "status" is not "processing".

A.1.6 CRUDN behaviour

<Table Reference Here> defines the CRUDN operations that are supported on the "oic.r.vendorlist" Resource Type.

Table 2 – The CRUDN operations of the Resource with type "rt" = "oic.r.vendorlist".

Create	Read	Update	Delete	Notify
	get	post		observe