API Examples for Postman

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Introduction

Here are some examples for using the Open-AudIT API via Postman.

When beginning a new request, we always logon and store the returned cookie for future use. In addition to the cookie, if we want to create a resource (Orgs, Locations, Credentials, Discoveries, et al) we need to provide an access token. An access token is generated with every request (except logon) and any of the last 20 (by default, settable in the configuration) will be accepted. You should always aim to use the last access token issued. An example token is in the Get Device List response, below.

Logon

Request

Section			
URL	POST	http://localhost/omk/open-audit/login	
Headers	Accept	application/json	
Body	Type	form-data	
	Key	username	admin
	Key	password	password

Response

```
{
    "message": "Authenticated as user admin",
    "ok": 1
}
```

Read Devices

Logon as above, then.

Request

Section		
URL	GET	http://localhost/omk/open-audit/devices

Headers	Accept	application/json

Response

Note - restricted to one item in the data array, normally you will retrieve all items.


```
{
    "data": [
        {
            "attributes": {
                "locations.id": 1,
                "orgs.id": 1,
                "orgs.name": "Default Organisation",
                "system.class": "virtual server",
                "system.dbus_identifier": "",
                "system.description": "win 2008r2 with iis",
                "system.dns_domain": "",
                "system.dns_fqdn": "",
                "system.dns_hostname": "",
                "system.domain": "open-audit.local",
                "system.environment": "production",
                "system.first_seen": "2020-03-19 11:47:50",
                "system.form_factor": "Virtual",
                "system.fqdn": "win2012r2_web02.open-audit.local",
                "system.function": "",
                "system.hostname": "win2012r2_web02",
                "system.icon": "windows",
                "system.id": 19,
                "system.identification": "Virtual server from VMware, Inc.",
                "system.ip": "192.168.1.138",
                "system.ip_padded": "192.168.001.138",
                "system.last_seen": "2020-03-19 11:48:42",
                "system.last_seen_by": "audit",
                "system.location_id": 1,
                "system.manufacturer": "VMware, Inc.",
                "system.model": "VMware Virtual Platform",
                "system.name": "win2012r2_web02",
                "system.org_id": 1,
                "system.os_family": "Windows 2008",
                "system.os_group": "Windows",
                "system.os_name": "Microsoft Windows Server 2008 R2 Standard",
                "system.os_version": "6.1.7601",
                "system.serial": "VMware-56 4d 3a 1e b9 d5 13 17-fc 68 fb 3d e5 5a b6 77",
                "system.snmp_oid": "",
                "system.status": "production",
                "system.sysContact": "",
                "system.sysDescr": "",
                "system.sysLocation": "",
                "system.sysName": "",
                "system.sysObjectID": "",
                "system.sysUpTime": "",
                "system.type": "computer",
                "system.uuid": "1E3A4D56-D5B9-1713-FC68-FB3DE55AB677"
            },
            "id": 19,
            "links": {
                "self": "http://localhost/omk/open-audit/system/19"
            },
            "type": "system"
        }
    ],
    "included": [],
    "links": {
        "first": "http://localhost/omk/open-audit/devices?properties=default",
        "last": "http://localhost/omk/open-audit/devices?properties=default",
        "next": "http://localhost/omk/open-audit/devices?properties=default",
        "prev": "http://localhost/omk/open-audit/devices?properties=default",
        "self": "http://localhost/omk/open-audit/devices"
    },
```

```
    "meta": {
        "access_token": "23652075c7660006c281bf33589620dc093bdbedf8eb7ed1223449a95748",
        "action": "collection",
        "baseurl": "http://localhost/omk/open-audit",
        "collection": "devices",
        "current": "y",
        "data_order": [
            "system.id",
            "system.uuid",
            "system.name",
            "system.ip",
            "system.hostname",
            "system.dns_hostname",
            "system.domain",
            "system.dns_domain",
            "system.dbus_identifier",
            "system.fqdn",
            "system.dns_fqdn",
            "system.description",
            "system.type",
            "system.icon",
            "system.os_group",
            "system.os_family",
            "system.os_name",
            "system.os_version",
            "system.manufacturer",
            "system.model",
            "system.serial",
            "system.form_factor",
            "system.status",
            "system.environment",
            "system.class",
            "system.function",
            "system.org_id",
            "system.location_id",
            "system.snmp_oid",
            "system.sysDescr",
            "system.sysObjectID",
            "system.sysUpTime",
            "system.sysContact",
            "system.sysName",
            "system.sysLocation",
            "system.first_seen",
            "system.last_seen",
            "system.last_seen_by",
            "system.identification",
            "orgs.name",
            "system.ip_padded",
            "orgs.id",
            "locations.id"
        ],
        "debug": false,
        "filter": [],
        "filtered": 19,
        "format": "json",
        "groupby": "",
        "header": "HTTP/1.1 200 OK",
        "heading": "Devices",
        "id": null,
        "ids": 0,
        "include": "",
        "limit": 1000,
        "offset": 0,
        "properties": "system.id,system.uuid,system.name,system.ip,system.hostname,system.dns_hostname,system.
domain,system.dns_domain,system.dbus_identifier,system.fqdn,system.dns_fqdn,system.description,system.type,
system.icon,system.os_group,system.os_family,system.os_name,system.os_version,system.manufacturer,system.model,
system.serial,system.form_factor,system.status,system.environment,system.class,system.function,system.org_id,
system.location_id,system.snmp_oid,system.sysDescr,system.sysObjectID,system.sysUpTime,system.sysContact,system.
sysName,system.sysLocation,system.first_seen,system.last_seen,system.last_seen_by,system.identification",
        "query_parameters": [
            {
```

```
                "name": "properties",
                "operator": "",
                "value": "default"
            }
        ],
        "query_string": "properties=default",
        "received_data": [],
        "request_method": "GET",
        "requestor": "commercial",
        "sort": "",
        "sub_resource": "",
        "sub_resource_id": 0,
        "timestamp": "2020-03-24 13:47:56",
        "timezone": "UTC +1000",
        "total": 19,
        "version": 1
    }
}
```


Create Discovery

Logon as above, then request list of devices (or any available endpoint) so we can use the meta access_token in our request (see above response).

Request

Section			
URL	POST	http://localhost/omk/open-audit/discoveries	
Headers	Accept	application/json	
Body	Type	form-data	

	Key	data	{
			  "access_token": "23652075c7660006c281bf33589620dc093bdbedf8eb7ed1223449a95748",
			  "type": "discoveries",
			  "attributes": {
			    "name": "My Testing Discovery",
			    "type": "subnet",
			    "network_address": "http://127.0.0.1/open-audit/",
			    "org_id": 1,
			    "other": {
			      "subnet": "192.169.1.0/24"
			    }
			  }
			}

Response


```
{
    "data": [
        {
            "attributes": {
                "description": "Subnet - 192.169.1.0/24",
                "devices_assigned_to_location": null,
                "devices_assigned_to_org": null,
                "discard": "n",
                "duration": "00:00:00",
                "edited_by": "Administrator",
                "edited_date": "2020-03-24 13:53:08",
                "id": 5,
                "ip_all_count": 0,
                "ip_audited_count": 0,
                "ip_discovered_count": 0,
                "ip_responding_count": 0,
                "ip_scanned_count": 0,
                "last_finished": "2000-01-01 00:00:00",
                "last_run": "2000-01-01 00:00:00",
                "name": "My Testing Discovery",
```

```
            "network_address": "http://127.0.0.1/open-audit/",
            "options": "",
            "org_id": 1,
            "orgs.id": 1,
            "other": {
                "nmap": {
                    "discovery_scan_option_id": "1",
                    "exclude_ip": "",
                    "exclude_tcp_ports": "",
                    "exclude_udp_ports": "",
                    "filtered": "n",
                    "nmap_tcp_ports": "0",
                    "nmap_udp_ports": "0",
                    "ping": "y",
                    "service_version": "n",
                    "ssh_ports": "22",
                    "tcp_ports": "22,135,62078",
                    "timeout": "0",
                    "timing": "4",
                    "udp_ports": "161"
                },
                "subnet": "192.169.1.0/24"
            },
            "status": "",
            "system.id": 0,
            "system_id": 0,
            "type": "subnet"
        },
        "id": 5,
        "links": {
            "self": "/omk/open-audit/discoveries/5"
        },
        "type": "discoveries"
    }
],
"errors": [],
"included": [],
"links": {
    "first": null,
    "last": null,
    "next": null,
    "prev": null,
    "self": "http://localhost/omk/open-audit/discoveries"
},
"meta": {
    "access_token": "94abae66d364697699d0a44e7cfba111c769882bf832014b2ea287623650",
    "action": "create",
    "baseurl": "http://localhost/omk/open-audit",
    "collection": "discoveries",
    "current": "y",
    "data_order": [
        "discoveries.id",
        "discoveries.name",
        "discoveries.org_id",
        "discoveries.description",
        "discoveries.type",
        "discoveries.devices_assigned_to_org",
        "discoveries.devices_assigned_to_location",
        "discoveries.network_address",
        "discoveries.system_id",
        "discoveries.options",
        "discoveries.discard",
        "discoveries.last_run",
        "discoveries.last_finished",
        "discoveries.duration",
        "discoveries.status",
        "discoveries.ip_all_count",
        "discoveries.ip_responding_count",
        "discoveries.ip_scanned_count",
        "discoveries.ip_discovered_count",
        "discoveries.ip_audited_count",
```

```
            "discoveries.edited_by",
            "discoveries.edited_date",
            "orgs.id",
            "system.id",
            "other.subnet",
            "other.nmap"
        ],
        "debug": false,
        "filter": [],
        "filtered": "",
        "format": "json",
        "groupby": "",
        "header": "HTTP/1.1 201 Created",
        "heading": "Discoveries",
        "id": 5,
        "ids": 0,
        "include": "",
        "limit": 1000,
        "offset": 0,
        "properties": "*",
        "query_parameters": [],
        "query_string": "",
        "received_data": {
            "access_token": "23652075c7660006c281bf33589620dc093bdbedf8eb7ed1223449a95748",
            "attributes": {
                "description": "Subnet - 192.169.1.0/24",
                "name": "My Testing Discovery",
                "network_address": "http://127.0.0.1/open-audit/",
                "org_id": 1,
                "other": "{\"subnet\":\"192.169.1.0\\/24\",\"nmap\":{\"discovery_scan_option_id\":\"1\",\"
ping\":\"y\",\"service_version\":\"n\",\"filtered\":\"n\",\"timeout\":\"0\",\"timing\":\"4\",\"nmap_tcp_ports\":
\"0\",\"nmap_udp_ports\":\"0\",\"tcp_ports\":\"22,135,62078\",\"udp_ports\":\"161\",\"exclude_tcp_ports\":\"\",
\"exclude_udp_ports\":\"\",\"exclude_ip\":\"\",\"ssh_ports\":\"22\"}}",
                "type": "subnet"
            },
            "type": "discoveries"
        },
        "request_method": "POST",
        "requestor": "",
        "sort": "",
        "sub_resource": "",
        "sub_resource_id": 0,
        "timestamp": "2020-03-24 13:53:08",
        "timezone": "UTC +1000",
        "total": 0,
        "version": 1
    }
}
```


Update Discovery

Logon as above, then.

Request

Section			
URL	PATCH	http://localhost/omk/open-audit/discoveries/5	
Headers	Accept	application/json	
Body	Type	x-www-form-urlencoded	

	Key	data	{
			"id": 5,
			"type": "discoveries",
			"attributes": {
			"name": "My New Name OMK"
			}
			}

Response


```
{
    "data": [
        {
            "attributes": {
                "description": "Subnet - 192.169.1.0/24",
                "devices_assigned_to_location": null,
                "devices_assigned_to_org": null,
                "discard": "n",
                "duration": "00:00:00",
                "edited_by": "Administrator",
                "edited_date": "2020-03-24 14:13:36",
                "id": 5,
                "ip_all_count": 0,
                "ip_audited_count": 0,
                "ip_discovered_count": 0,
                "ip_responding_count": 0,
                "ip_scanned_count": 0,
                "last_finished": "2000-01-01 00:00:00",
                "last_run": "2000-01-01 00:00:00",
                "name": "My New Name OMK",
                "network_address": "http://127.0.0.1/open-audit/",
                "options": "",
                "org_id": 1,
                "orgs.id": 1,
                "other": {
                    "nmap": {
                        "discovery_scan_option_id": "1",
                        "exclude_ip": "",
                        "exclude_tcp_ports": "",
                        "exclude_udp_ports": "",
                        "filtered": "n",
                        "nmap_tcp_ports": "0",
                        "nmap_udp_ports": "0",
                        "ping": "y",
                        "service_version": "n",
                        "ssh_ports": "22",
                        "tcp_ports": "22,135,62078",
                        "timeout": "0",
                        "timing": "4",
                        "udp_ports": "161"
                    },
                    "subnet": "192.169.1.0/24"
                },
                "status": "",
                "system.id": 0,
                "system_id": 0,
                "type": "subnet"
            },
            "id": 5,
            "links": {
                "self": "/omk/open-audit/discoveries/5"
            },
            "type": "discoveries"
        }
    ],
    "errors": [],
    "included": [],
    "links": {
        "first": null,
        "last": null,
```

```
        "next": null,
        "prev": null,
        "self": "http://localhost/omk/open-audit/discoveries/5"
    },
    "meta": {
        "access_token": "47049142d113e4e316ae4219afdf54d6a6d034ff779a42fd5198a720da2e",
        "action": "update",
        "baseurl": "http://localhost/omk/open-audit",
        "collection": "discoveries",
        "current": "y",
        "data_order": [
            "discoveries.id",
            "discoveries.name",
            "discoveries.org_id",
            "discoveries.description",
            "discoveries.type",
            "discoveries.devices_assigned_to_org",
            "discoveries.devices_assigned_to_location",
            "discoveries.network_address",
            "discoveries.system_id",
            "discoveries.options",
            "discoveries.discard",
            "discoveries.last_run",
            "discoveries.last_finished",
            "discoveries.duration",
            "discoveries.status",
            "discoveries.ip_all_count",
            "discoveries.ip_responding_count",
            "discoveries.ip_scanned_count",
            "discoveries.ip_discovered_count",
            "discoveries.ip_audited_count",
            "discoveries.edited_by",
            "discoveries.edited_date",
            "orgs.id",
            "system.id",
            "other.subnet",
            "other.nmap"
        ],
        "debug": false,
        "filter": [],
        "filtered": "",
        "format": "json",
        "groupby": "",
        "header": "HTTP/1.1 200 OK",
        "heading": "Discoveries",
        "id": 5,
        "ids": 0,
        "include": "",
        "limit": 1000,
        "offset": 0,
        "properties": "*",
        "query_parameters": [],
        "query_string": "",
        "received_data": {
            "attributes": {
                "id": 5,
                "name": "My New Name OMK"
            },
            "id": 5,
            "type": "discoveries"
        },
        "request_method": "PATCH",
        "requestor": "",
        "sort": "",
        "sub_resource": "",
        "sub_resource_id": 0,
        "timestamp": "2020-03-24 14:13:36",
        "timezone": "UTC +1000",
        "total": 0,
        "version": 1
    }
```

```
}
```

Delete Discovery

Logon as above, then.

Request

Section		
URL	DELETE	http://localhost/omk/open-audit/discoveries/5
Headers	Accept	application/json

Response

```
{
    "meta": {
        "access_token": "530d34dc6304ebd361d088d7831e4ce9d276ac8a4826837bdf36e8e84c87",
        "action": "delete",
        "baseurl": "http://localhost/open-audit/",
        "collection": "discoveries",
        "current": "y",
        "debug": false,
        "filtered": "",
        "format": "json",
        "groupby": "",
        "header": "HTTP/1.1 200 OK",
        "id": 5,
        "ids": 0,
        "include": "",
        "limit": 1000,
        "offset": 0,
        "properties": "*",
        "query_string": "",
        "request_method": "DELETE",
        "requestor": "",
        "sort": "",
        "sub_resource": "",
        "sub_resource_id": 0,
        "total": 0,
        "timestamp": "2020-03-24 14:22:38",
        "timezone": "UTC +1000",
        "version": 1,
        "filter": [],
        "query_parameters": [],
        "received_data": [],
        "heading": "Discoveries",
        "data_order": []
    },
    "links": {
        "self": "http://localhost/open-audit/index.php/discoveries/5",
        "first": null,
        "last": null,
        "next": null,
        "prev": null
    },
    "included": [],
    "data": [
        {
            "type": "discoveries"
        }
    ]
}
```