

# Restarting Devices with API

## What

Like to restart many devices in bulk? API can deliver this.

## How

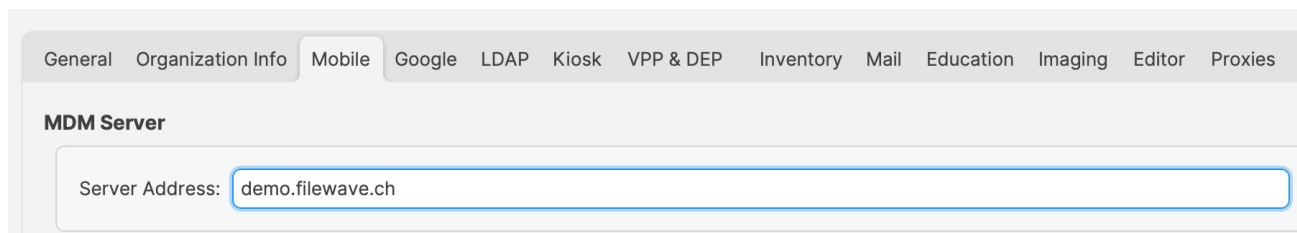
The data block for posting restart commands relies upon the 'ids' of devices. This is the Client ID as either viewed in the Client View or as shown when creating Inventory Queries with Client ID added.

Establish a list of device Client IDs that require rebooting. These should be supplied as a comma separated list of integers. Inventory Queries could assist with obtaining the list.

Both the API URL and the data block for the API request is different per OS.

**i** In each of the below, an example server names has been supplied 'demo.filewave.ch'. This should be altered to match the FileWave Server's address as seen in the Mobile tab of Preferences in the FileWave Central App.

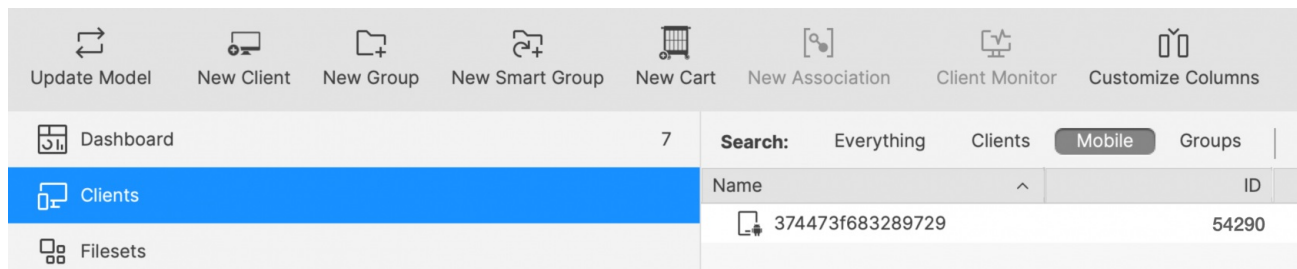
Example Server Name:



The screenshot shows the 'Mobile' tab in the FileWave Central App. Under the 'MDM Server' section, the 'Server Address' field is highlighted with a blue border and contains the text 'demo.filewave.ch'.

## Android

Example device:



The screenshot shows the 'Clients' tab in the FileWave Central App. A table lists client information. The 'Mobile' filter is selected. The table has columns for Name and ID.

Name	ID
374473f683289729	54290

API URL:

"https://demo.filewave.ch/api/android/restart\_devices"

Data Block:

```
{
  "ids": [
    54290
  ]
}
```

## Apple

Example device:

Update Model	New Client	New Group	New Smart Group	New Cart	New Association	Client Monitor	Customize Columns
Dashboard	7			<b>Search:</b> Everything Clients <b>Mobile</b> Groups			
Clients	Name ^			ID			
Filesets	iPad001			54000			

## API URL

"https://demo.filewave.ch/api/devices/v1/devices/mdm-command"

## Data Block

```
{
  "ids": [
    54000
  ],
  "command": "RestartDevice"
}
```

## Windows

Example device:

Update Model	New Client	New Group	New Smart Group	New Cart	New Association	Client Monitor	Customize Columns
Dashboard	4			<b>Search:</b> Everything <b>Clients</b> Mobile Groups			
Clients	Name ^			ID			
Filesets	DESKTOP-N05S01D			54028			

## API URL

"https://demo.filewave.ch/api/devices/v1/devices/windows-restart"

## Data Block

```
[
  {
    "ids": [
      54028
    ]
  }
]
```

## Example:

To restart two Apple devices, whose Client IDs are 737581 and 562620, as well as requiring the server's FQDN, the API token is also required. Administrator API Tokens are available from:

- FileWave Central Admin App > Manage Administrators > [select a user] > Application Tokens (tab)

Tokens are unique per user and each user may have multiple tokens

User detailsPermissionsVPP tokensApplication tokensTeamViewer

1 token(s)

Name	Token
Default Token	{9ff2d06a-85aa-4697-8463-5c0e728c8127}

+

-

Token name:

Description:

Token: {9ff2d06a-85aa-4697-8463-5c0e728c8127}

Regenerate token

Token (base64):

Script example: 

```
curl -s -k -H "Authorization: ezlmZjJkMDZhLTg1YWVtNDY5Ny04NDYzLTVjMGU3MjhjODEyN30=" https://demo.filewave.ch:20445/inv/api/v1/component/
```

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Select All

Different tokens could be used for different tasks. Consider creating a user specific for API or multiple API users, depending upon requirements, and limit each API user's 'Permissions' to only those items required to achieve the API request(s).

Alter the 'ids' list, server FQDN and API Authorisation Token as required

### macOS/Linux:

```
mdm_command='{ "ids": [737581, 562620], "command": "RestartDevice" }'
```

```
curl -H "Authorization: ezlmZjJkMDZhLTg1YWVtNDY5Ny04NDYzLTVjMGU3MjhjODEyN30=" \
-X POST https://demo.filewave.ch/api/devices/v1/devices/mdm-command \
-d "$mdm_command" \
-H "Content-Type: application/json"
```

### Windows:

```
$mdm_command = '{ "ids": [737581, 562620], "command": "RestartDevice" }'
```

```
$header = @{Authorization="ezlmZjJkMDZhLTg1YWVtNDY5Ny04NDYzLTVjMGU3MjhjODEyN30="}
```

```
Invoke-RestMethod -Method POST \
-headers $header \
-ContentType application/json \
-uri https://demo.filewave.ch/api/devices/v1/devices/mdm-command \
-Body $mdm_command
```