

# User Guide

## FortiManager ServiceNow Integration App 7.2.0



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FortiManager ServiceNow Integration App 7.2.0 User Guide

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# Overview

Use the FortiManager Integration App to send configuration change requests to FortiManager to execute scripts and install configurations on FortiGate devices.

The FortiManager Integration App can get configuration change requests from the app GUI or any ServiceNow app through the app API. The API provides functionality for admins to further automate tasks involving FortiManager on ServiceNow.

The FortiManager Integration App is supported for desktop use in English and is available in the ServiceNow Store. See [Downloading the Security Operations FortiManager Integration App on page 7](#).

## FortiManager guides

For information on using FortiManager, see the FortiManager guides in the [Fortinet Document Library](#), especially the Administration Guide, the Release Notes, and Best Practices.

# Requirements

## ServiceNow requirements

You need a ServiceNow subscription to download and use ServiceNow apps, including the FortiManager Integration App.

## ServiceNow roles

The ServiceNow account must have the right roles to submit change requests. For information on ServiceNow roles, see the ServiceNow product documentation such as [Base system roles](#).

You also need FortiManager Integration App roles to perform the following tasks:

Role	Description
x_forti_fmgintgv2.sys_prop_read	Can read the contents in <i>System Properties</i> .
x_forti_fmgintgv2.sys_prop_write	Can read and modify the contents in <i>System Properties</i> .
x_forti_fmgintgv2.fmg_script_read	Can read the list of change requests and related details.
x_forti_fmgintgv2.fmg_script_write	Can submit change requests and read the list of change requests and related details.

## FortiManager and FortiManager Integration App requirements

- The FortiManager Integration App works with one FortiManager device at a time. However, it can work with multiple ADOMs on FortiManager. See [Configuring the FortiManager Integration App on page 8](#) on selecting FortiManager ADOMs.
- The FortiManager Integration App only executes scripts that are already defined in FortiManager.
  - You can define CLI scripts to be executed on the FortiManager *Device Database*, *Policy Package or ADOM Database*, or *Remote FortiGate Directly (via CLI)*.
  - In the FortiManager Integration App GUI, you can limit the script selection to scripts with specific prefixes.
- Although FortiManager cannot currently run scripts with variables, the FortiManager Integration App can take variables in scripts and replace them with the desired values before execution. See [Using FortiManager Integration App on page 11](#).
- The FortiManager Integration App automatically detects the FortiManager workspace mode. If workspace mode is enabled, it must be set to normal. Workflow mode is not supported.
- The FortiManager ADOM Mode must be set to Normal. Advanced mode is not supported.

For more information, see the [FortiManager Administration Guide in the Fortinet Document Library](#).

# Setting Up FortiManager

Set up FortiManager to use the Security Operations FortiManager Integration App.

Task	Description
Create or select an account to use for integration with the FortiManager Integration App.	This account does not require a Super_User administrator profile and <i>Trusted Hosts</i> does not need to be turned on. For more information, see the <a href="#">FortiManager Administration Guide in the Fortinet Document Library</a> .
Set up JSON-RPC read-write permission for the account.	API calls from the app require the account to have JSON-RPC read-write permission. Use CLI commands to set JSON-RPC permission: <pre>config system admin user   edit servicenow_account     set rpc-permit read-write   end</pre>
Install a trusted, signed SSL certificate and CA certificate for secure API communication.	ServiceNow requires a trusted, signed SSL certificate and CA certificate for communication with FortiManager. For more information, see the <i>Certificates</i> section in the <i>FortiManager Administration Guide</i> .
If workspace mode is enabled, ensure it is set to normal.	Only normal workspace mode is supported. The app automatically detects the FortiManager workspace mode. For more information, see the <a href="#">FortiManager Administration Guide in the Fortinet Document Library</a> .
Ensure <i>ADOM Mode</i> is set to <i>Normal</i> .	In <i>FortiManager &gt; Advanced Settings</i> , <i>ADOM Mode</i> must be set to <i>Normal</i> . <i>Advanced</i> mode is not supported.

## Using FortiManager scripts

Create scripts in FortiManager to be used in FortiManager Integration App.

Use a FortiManager admin account to create or modify scripts.

The FortiManager Integration App clones the script and replaces any variables with the value provided in FortiManager Integration App GUI or API; and then submits the change request to FortiManager.

Variables in FortiManager scripts must meet the following requirements:

- Script variable names can only use upper case A-Z, lower case a-z, or underscore (\_).
- Script variables must use the format: `${variable_name}`.

For information on creating FortiManager scripts, see the FortiManager Administration Guide in the [Fortinet Document Library](#).

## Downloading the Security Operations FortiManager Integration App

You need a ServiceNow subscription to download and use ServiceNow apps, including the FortiManager Integration App. For more information, see the online help in <https://store.servicenow.com>.

### To download the FortiManager Integration App:

1. Go to the ServiceNow store at <https://store.servicenow.com>.
2. Search for the FortiManager Integration App.
3. Follow the onscreen instructions to download the FortiManager Integration App.

After downloading the FortiManager Integration App, add it to the *Favorites* menu for easy access.

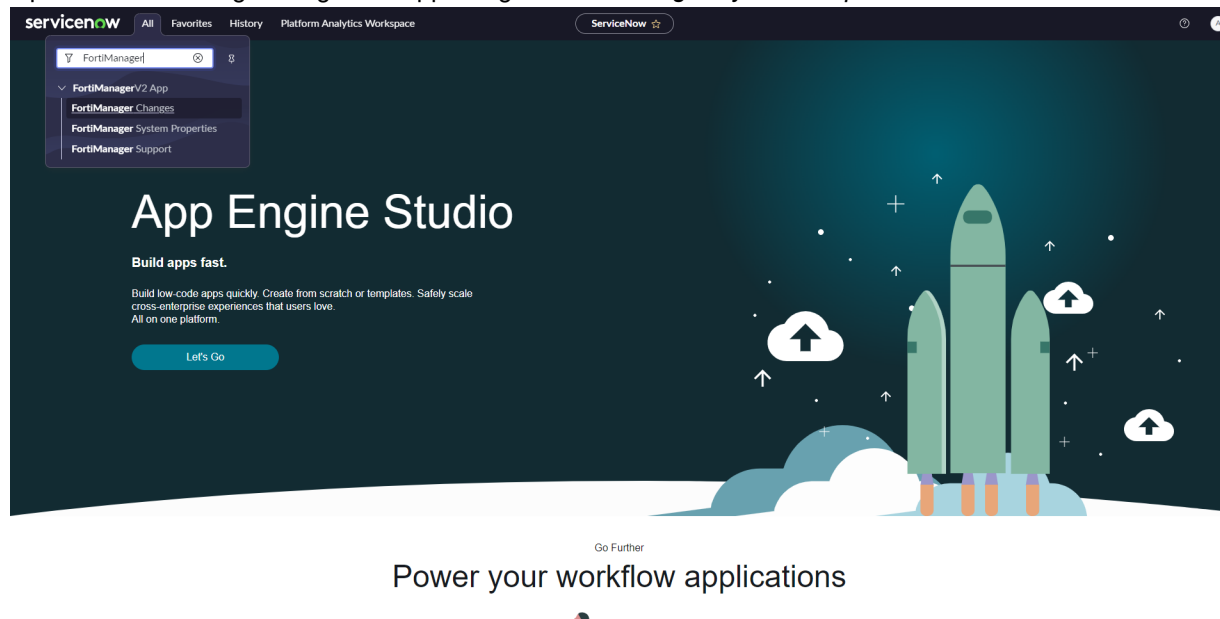


# Configuring the FortiManager Integration App

The ServiceNow account must have sufficient permissions. The account must have the `x_forti_fmgingtg2.sys_prop_write` role to create and submit change requests.

## To configure the FortiManager Integration App:

1. Open the FortiManager Integration App and go to *FortiManager System Properties*.





## 2. Enter the information for connecting to the FortiManager API:

<b>Domain</b>	The FortiManager domain name without the protocol, for example, <code>fortimanager.myorganization.com</code> . The domain must have a valid HTTPS certificate.
<b>Port Number</b>	The access port number that will be used for a communication tunnel between FortiManager and the ServiceNow instance (by default 443).
<b>Username</b>	FortiManager administrator that has JSON API with read-write access enabled.
<b>Password</b>	The password for the FortiManager administrator.

## 3. Enter the information for connecting to the ServiceNow API:

<b>Username</b>	The ServiceNow instance user with the set roles: <ul style="list-style-type: none"> <li><code>x_forti_fmgintgv2.sys_prop_read</code></li> <li><code>x_forti_fmgintgv2.sys_prop_write</code></li> <li><code>x_forti_fmgintgv2.fmg_script_read</code></li> <li><code>x_forti_fmgintgv2.fmg_script_write</code></li> <li><code>import_transformer</code></li> </ul>
<b>Password</b>	The password for the FortiManager administrator.

## 4. Enter the information for the app settings:

<b>FortiManager ADOMs</b>	Select the FortiManager ADOMs the app can access. First time users can select <code>root</code> .
<b>FortiManager script prefix</b>	You can limit the script selection in the app GUI to scripts with specific prefixes. If desired, enter the prefixes in this field.

### Options

If you want to delete the cloned scripts, select *Delete scripts from FortiManager after execution*.

5. Click **Save** to update the System Properties page, and the ADOM list will be populated.

The screenshot shows the 'Connection to FortiManager API' and 'Connection to ServiceNow API' sections. The FortiManager API section has fields for Domain (https://fmgvrn01.fortinet.com), Port Number (443), Username (demo), and Password. The ServiceNow API section has fields for Username (service\_api) and Password. Below these is the 'App Settings' section, which includes a dropdown for 'FortiManager ADOMs' showing a list of ADOMs: Demo, PFS\_DC-CHAO5, SD-WAN\_DC, SD-WAN\_LUXEMBOURG, SD-WAN\_MAGASINS, SD-WAN\_MONOPRIX\_V64, and SD-WAN\_NATURALIA. A 'Save' button is at the bottom.

6. Under **App Settings > FortiManager ADOMs**, select the ADOM that you want to use from the populated list, and click **Save**.

The screenshot shows the 'System Properties' page with a green notification bar stating 'System properties have been saved.' The 'App Settings' section now shows the 'FortiManager ADOMs' dropdown set to 'Demo'. Below this is a 'FortiManager Script Prefix' field with a search icon and the text 'Enter a prefix'. There is also an 'Options' section with a checkbox labeled 'Delete scripts from FortiManager after execution' which is checked. A 'Save' button is at the bottom.

# Using FortiManager Integration App

You can create change requests using the FortiManager Integration App GUI or the API.

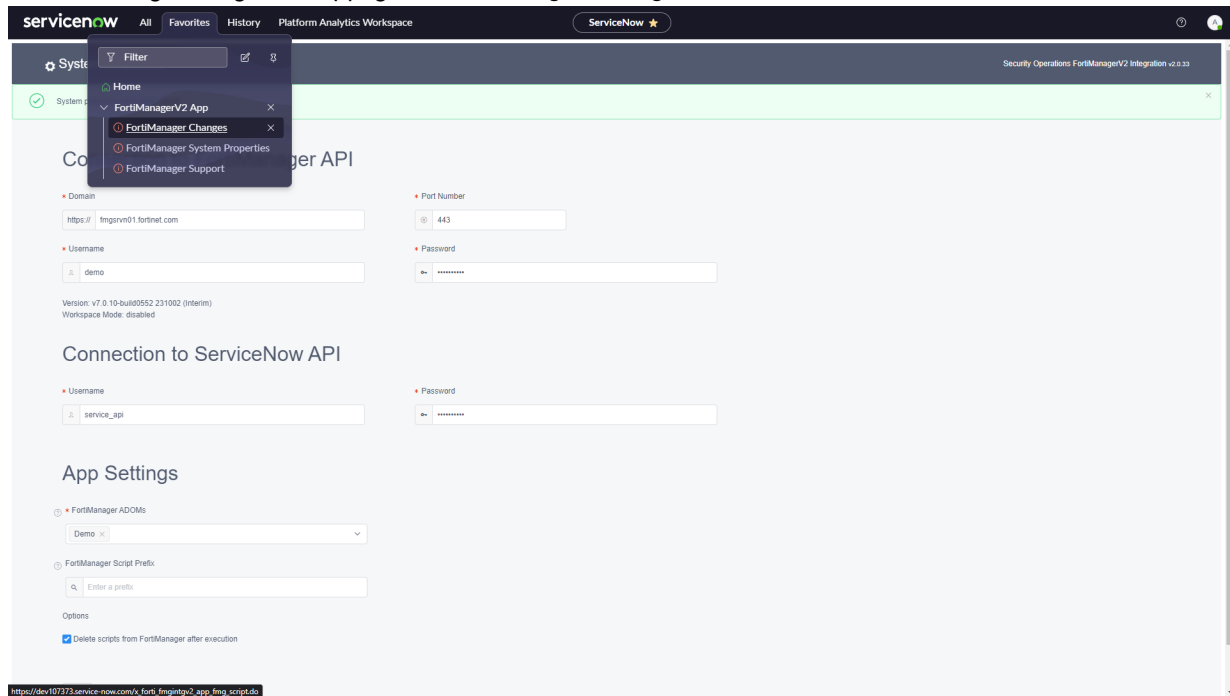
To create change requests using the FortiManager Integration App API, see [API reference on page 18](#).

## Creating change requests in the FortiManager Integration App GUI

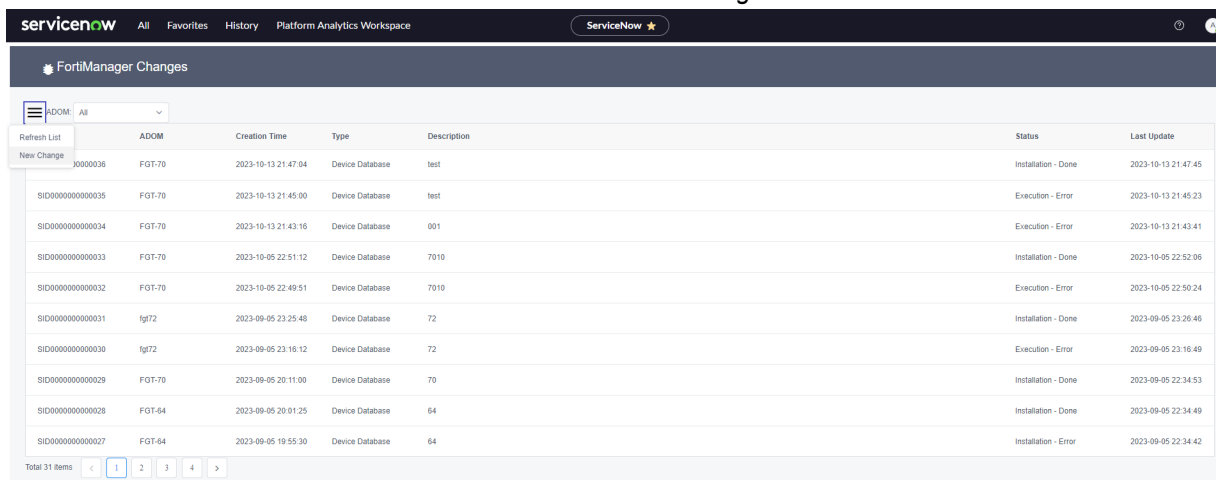
The account must have the `x_forti_fmgingtg2.fmg_script_write` role to create and submit change requests.

**To create a change request:**

1. In FortiManager Integration App, go to *FortiManager Changes*.



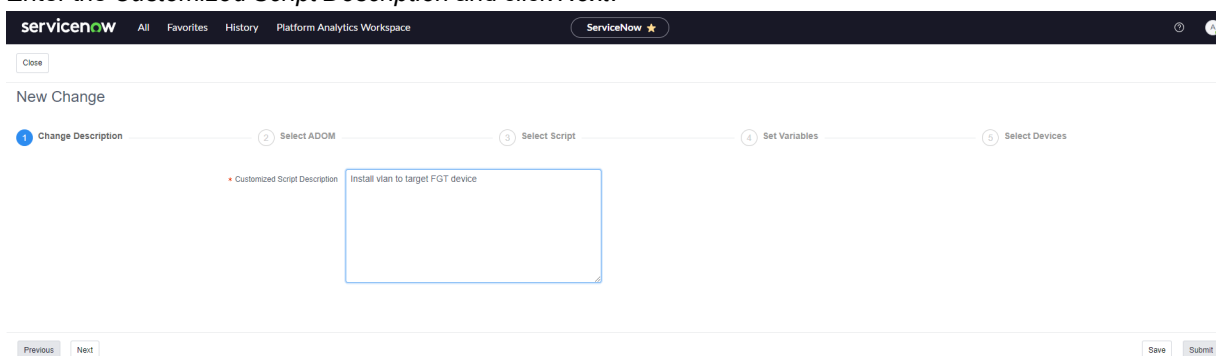
2. Click the menu icon beside the ADOM name and select *New Change*.



The screenshot shows the 'FortiManager Changes' table in the ServiceNow interface. The table has columns for ADOM, Creation Time, Type, Description, Status, and Last Update. A 'New Change' button is visible in the top left corner of the table. The table contains 31 items, with the first 10 items displayed on the first page of the pagination.

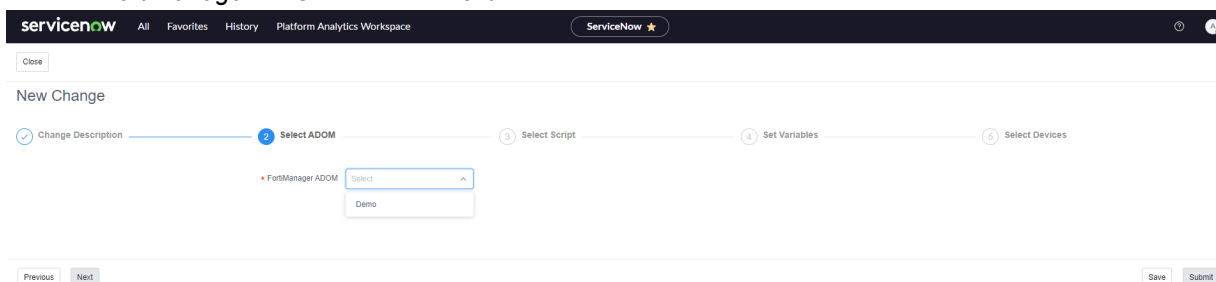
ADOM	Creation Time	Type	Description	Status	Last Update
FGT-70	2023-10-13 21:47:04	Device Database	test	Installation - Done	2023-10-13 21:47:45
SID00000000000035	2023-10-13 21:45:00	Device Database	test	Execution - Error	2023-10-13 21:45:23
SID00000000000034	2023-10-13 21:43:16	Device Database	001	Execution - Error	2023-10-13 21:43:41
SID00000000000033	2023-10-05 22:51:12	Device Database	7010	Installation - Done	2023-10-05 22:52:06
SID00000000000032	2023-10-05 22:49:51	Device Database	7010	Execution - Error	2023-10-05 22:50:24
SID00000000000031	2023-09-05 23:25:48	Device Database	72	Installation - Done	2023-09-05 23:26:46
SID00000000000030	2023-09-05 23:16:12	Device Database	72	Execution - Error	2023-09-05 23:16:49
SID00000000000029	2023-09-05 20:11:00	Device Database	70	Installation - Done	2023-09-05 22:34:53
SID00000000000028	2023-09-05 20:01:25	Device Database	64	Installation - Done	2023-09-05 22:34:49
SID00000000000027	2023-09-05 19:55:30	Device Database	64	Installation - Error	2023-09-05 22:34:42

3. Enter the *Customized Script Description* and click *Next*.



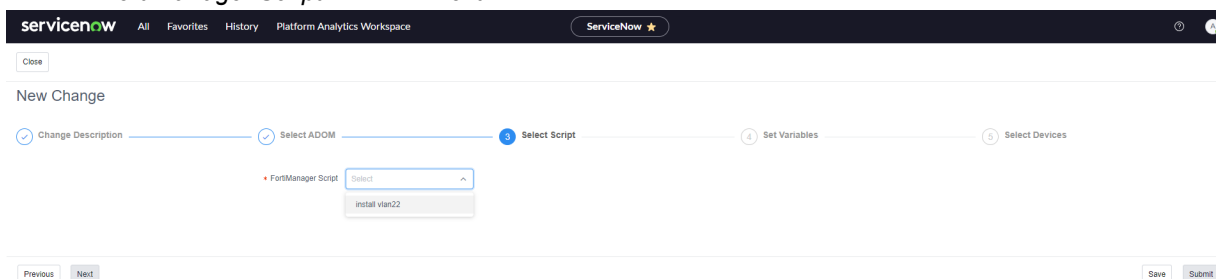
The screenshot shows the 'New Change' form in the ServiceNow interface. The form has a progress bar with five steps: 1. Change Description, 2. Select ADOM, 3. Select Script, 4. Set Variables, and 5. Select Devices. The first step, 'Change Description', is currently active. A text area labeled 'Customized Script Description' contains the text 'Install vlan to target FGT device'. The form also includes 'Previous', 'Next', 'Save', and 'Submit' buttons.

4. Select a *FortiManager ADOM* and click *Next*.



The screenshot shows the 'New Change' form in the ServiceNow interface. The form has a progress bar with five steps: 1. Change Description, 2. Select ADOM, 3. Select Script, 4. Set Variables, and 5. Select Devices. The second step, 'Select ADOM', is currently active. A dropdown menu labeled 'FortiManager ADOM' shows the selected value 'Demo'. The form also includes 'Previous', 'Next', 'Save', and 'Submit' buttons.

5. Select a *FortiManager Script* and click *Next*.



The screenshot shows the 'New Change' form in the ServiceNow interface. The form has a progress bar with five steps: 1. Change Description, 2. Select ADOM, 3. Select Script, 4. Set Variables, and 5. Select Devices. The third step, 'Select Script', is currently active. A dropdown menu labeled 'FortiManager Script' shows the selected value 'install\_vlan22'. The form also includes 'Previous', 'Next', 'Save', and 'Submit' buttons.

6. If necessary, enter the desired value for variables and click *Next*. You can see a preview of the script.

servicenow All Favorites History Platform Analytics Workspace ServiceNow

Close

New Change

Change Description Select ADOM Select Script **Set Variables** Select Devices

No Customized Variables Found

Preview

```

config system interface
edit "vlan22"
set vdom "root"
set allowaccess https http
set alias "vlp2s0"
set estimated-upstream-bandwidth 10000
set estimated-downstream-bandwidth 10000
set role wan
set interface "port2"
set vlandid 22
next
end

```

Previous Next Save Submit

7. Select the *FortiManager Devices* and click *Next*.

servicenow All Favorites History Platform Analytics Workspace ServiceNow

Close

New Change

Change Description Select ADOM Select Script Set Variables **Select Devices**

FortiManager Devices Select Select All

FOTVM62

Previous Next Save Submit

8. To save the script as a draft, click *Save*. To run the script immediately, click *Submit*.

servicenow All Favorites History Platform Analytics Workspace ServiceNow

FortiManager Changes FortiManager Change SID00000000000037 has been saved

ID	ADOM	Creation Time	Type	Description	Status	Last Update
SID00000000000037	Demo	2023-10-17 18:43:05	Device Database	Install vlan to target FGT device	Draft	2023-10-17 18:45:00
SID00000000000036	FGT-70	2023-10-13 21:47:04	Device Database	test	Installation - Done	2023-10-13 21:47:45
SID00000000000035	FGT-70	2023-10-13 21:45:00	Device Database	test	Execution - Error	2023-10-13 21:45:23
SID00000000000034	FGT-70	2023-10-13 21:43:16	Device Database	001	Execution - Error	2023-10-13 21:43:41
SID00000000000033	FGT-70	2023-10-05 22:51:12	Device Database	7010	Installation - Done	2023-10-05 22:52:06
SID00000000000032	FGT-70	2023-10-05 22:49:51	Device Database	7010	Execution - Error	2023-10-05 22:50:24
SID00000000000031	fgt72	2023-09-05 23:25:48	Device Database	72	Installation - Done	2023-09-05 23:26:46
SID00000000000030	fgt72	2023-09-05 23:16:12	Device Database	72	Execution - Error	2023-09-05 23:16:49
SID00000000000029	FGT-70	2023-09-05 20:11:00	Device Database	70	Installation - Done	2023-09-05 22:34:53
SID00000000000028	FGT-64	2023-09-05 20:01:25	Device Database	64	Installation - Done	2023-09-05 22:34:49

Total 32 items 1 2 3 4

## Viewing change requests details in FortiManager Integration App

The account must have `x_forti_fmgingtv2.fmg_script_read` role to view the list of change requests and related details.

The *FortiManager Changes* page displays the list of change requests with summary information including their *Status*.

The *ID* number is the task ID in FortiManager *System Settings* > *Task Monitor*.

FortiManager Changes							
ID	ADOM	Creation Time	Type	Description	Status	Last Update	
SID00000000000036	FGT-70	2023-10-13 21:47:04	Device Database	test	Installation - Done	2023-10-13 21:47:45	
SID00000000000035	FGT-70	2023-10-13 21:45:00	Device Database	test	Execution - Error	2023-10-13 21:45:23	
SID00000000000034	FGT-70	2023-10-13 21:43:16	Device Database	001	Execution - Error	2023-10-13 21:43:41	
SID00000000000033	FGT-70	2023-10-05 22:51:12	Device Database	7010	Installation - Done	2023-10-05 22:52:06	
SID00000000000032	FGT-70	2023-10-05 22:49:51	Device Database	7010	Execution - Error	2023-10-05 22:50:24	
SID00000000000031	fgt72	2023-09-05 23:25:48	Device Database	72	Installation - Done	2023-09-05 23:26:46	
SID00000000000030	fgt72	2023-09-05 23:16:12	Device Database	72	Execution - Error	2023-09-05 23:16:49	
SID00000000000029	FGT-70	2023-09-05 20:11:00	Device Database	70	Installation - Done	2023-09-05 22:34:53	
SID00000000000028	FGT-64	2023-09-05 20:01:25	Device Database	64	Installation - Done	2023-09-05 22:34:49	
SID00000000000027	FGT-64	2023-09-05 19:55:30	Device Database	64	Installation - Error	2023-09-05 22:34:42	

To view details, click the change request. The *Change Details* page shows the details of the script including the *ADOM*, *Configuration Script*, *Execution Details*, *Installation Details*, *FortiManager Execution Log*, *FortiManager Installation Log*, and other information.

- The *FortiManager Execution Log* section shows details of FortiManager script execution.
- The *FortiManager Installation Log* section shows details of FortiManager installing the configuration on FortiGate.

To cancel a change request before completion, click *Cancel Change*.

For scripts that timed out, a *Retry* button is available for you to run the script again.

Close

Cancel Change

ID

SID00000000000037

Creation Time

2023-10-17 18:43:05

Type

Device Database

Description

Install vlan to target FGT device

ADOM

Demo

Device(s)

FGTVM62

Script

install vlan22

Configuration Script

```

config system interface
edit "vlan22"
set vdom "root"
set allowaccess https http
set alias "wlp2s0"
set estimated-upstream-bandwidth 10000

```

Execution Status

Retry

Task ID

0

Progress

0%

Last Update

2023-10-17 18:45:26

Installation Status

Task ID

0

Progress

0%

Last Update

2023-10-17 18:45:26

FortiManager Execution Log

Name	Progress	Detail
No Data		

FortiManager Installation Log

Name	Progress	Detail
No Data		

To ensure that script execution results match, users can go directly to FortiManager/FortiGate to view the Configuration/Task Monitor.

# Troubleshooting

Error messages in the FortiManager Integration App GUI and in the ServiceNow *Application Logs* indicate the problem and usually includes recommendations to correct the issue.

## Connection issues

**To troubleshoot connection issues between FortiManager and the FortiManager Integration App:**

1. In FortiManager, go to *System Settings > Administrators*.
  - a. Click the account used for integration with the FortiManager Integration App and check that settings are correct.  
See [Setting Up FortiManager on page 6](#).
2. Check that you have set up JSON-RPC permission correctly.  
See [Setting Up FortiManager on page 6](#).
3. Go to the *FortiManager Integration App System Properties*.
  - a. Check that the connection settings are correct, especially the domain name, port number, ADOMs, and API credentials.  
See [Configuring the FortiManager Integration App on page 8](#).  
If connection settings are incorrect, the app displays an error message when you click **Save**.
  - b. Check that you are using a supported version.
4. Check that the FortiManager is missing a certificate, or if the certificate is incomplete. ServiceNow requires a trusted certificate on FortiManager to establish a secured connection.
  - a. In ServiceNow, go to *Application Log > Errors*. The following error may indicate the certificate is incomplete:  
`fileName:; line:0; errorMessage:org.apache.commons.httpclient.HttpException:SSLPeerUnverifiedException`

<input type="checkbox"/>		2020-04-30 14:14:56	Error	FortiManager: fileName:; line:0; errorMessage:org.apache.commons.httpclient.HttpException:SSLPeerUnverifiedException	Security Operations FortiManager Integration V2	<a href="#">Script Include: URLScy</a>
<input type="checkbox"/>		2020-04-30 14:14:55	Error	FortiManager: fileName:; line:0; errorMessage:org.apache.commons.httpclient.HttpException:SSLPeerUnverifiedException	Security Operations FortiManager Integration V2	<a href="#">Script Include: URLScy</a>
<input type="checkbox"/>		2020-04-30 14:14:55	Error	FortiManager: fileName:; line:0; errorMessage:org.apache.commons.httpclient.HttpException:SSLPeerUnverifiedException	Security Operations FortiManager Integration V2	<a href="#">Script Include: URLScy</a>

- b. Use a third-party service such as *digicert* or *sslshopper* to identify the errors on the FortiManager side.
  - c. In FortiManager, go to *System Settings > Certificates*, to fix the certificate errors, such as adding an intermediate CA certificate.



## Other issues

Issue	Possible solutions
<b>Cannot update <i>FortiManager System Properties</i></b>	Check that your account has <code>x_forti_fmgingtg.fmg_system_property_write</code> permission.
<b>Cannot see FortiManager scripts in GUI selection menu</b>	Check that the script prefix is set correctly.
<b>Cannot see devices for a <i>Policy Package</i> script</b>	Check that the devices are in the FortiManager Installation Targets for the selected Policy Package.

To view log message errors, go to ServiceNow, click *All applications* and search for *System Log*. Then select *Application Logs*.

In the *App Log* pane, check for errors. You can filter by keywords to search for messages.

## Performance considerations

The following values have been tested. Higher values might work but have not been tested.

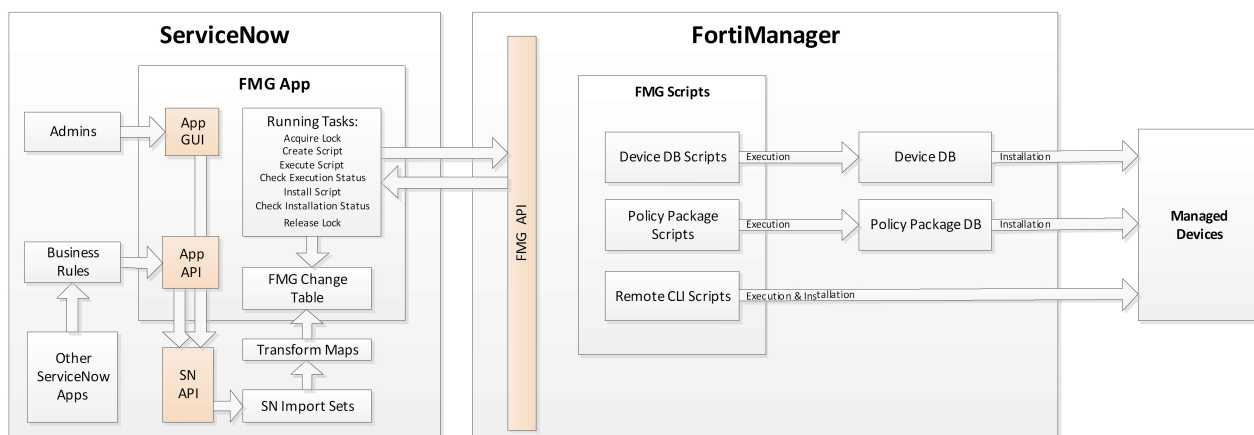
<b>Maximum ADOMs</b>	5
<b>Maximum FortiGates per ADOM</b>	100
<b>Maximum policy packages per ADOM</b>	20
<b>Maximum installation targets per policy package</b>	100
<b>Maximum objects per ADOM</b>	20 schedules, 100 services, 800 addresses, 80 interfaces

## Reference information

These sections include reference information on the FortiManager Integration App workflow and how to use FMGApiCli to integrate the FortiManager Integration App with other ServiceNow apps.

### Integration workflow

The following diagram shows the end-to-end process from the time when a configuration change request is submitted on ServiceNow to the time when the configuration is installed on managed devices.



When a change request is submitted, it goes through steps to create and run a script on FortiManager and install the configuration on target FortiGates. These steps are scheduled tasks which run within the app.

When a change request completes a task successfully, it starts the next task until all tasks are completed. If a task fails at any point, the task retries within certain intervals for a maximum number of times as shown below:

Task	Interval (seconds)	Maximum attempts
LockADOM	6	Indefinite
CreateScript	6	18
ExecScript	6	18
DeleteScript	6	18
CheckExec	20	18
Install	6	18
CheckInstall	20	18

# API reference

This section shows how to use APIs to integrate the FortiManager Integration App with other ServiceNow apps.

API calls to the app use the ServiceNow API credentials configured in *FortiManager System Properties*. No further authentication is done.



API calls are allowed from anywhere in the ServiceNow platform. Consider limiting access to ServiceNow scripts to users with authorization to create FortiManager change requests.

---

There are three APIs for inbound integration:

- **CreateScript** - Creates and executes scripts and configuration installations.
- **CheckExec** - Checks script execution status on FortiManager.
- **CheckDeploy** - Checks configuration installation status on FortiManager.

## Using CreateScript

**Request object:**

```
{
  "method": "POST",
  "params": [
    {
      "url": "CheckDeploy",
      "script": "string",
      "description": "string",
      "scriptVars": {
        "variable 1": "string",
        "variable 2": "string",
      },
      "adom": "string",
      "policy": "string",
      "devices": "string",
    }
  ]
}
```

**Request parameters:**

Name	Description	
method	Should be <b>"POST"</b>	
params	url	Should be <b>"CreateScript"</b>
	script	Name of script template in FortiManager GUI.
	scriptVars	Optional: If a script template includes variables, specify the value of variables.
	adom	The ADOM which the script template belongs to.
	devices	Optional: If the type of script is <code>device_database</code> or <code>remote_device</code> , specify the name of devices.
	description	Description of this new change.
	Policy	Optional: If the type of script is <code>adom_database</code> , specify the name of policies.

**Sample CreateScript request:**

```

1  {
2  ... "method": "POST",
3  ... "params": [
4  ... {
5  ... "url": "CreateScript",
6  ... "script": "test-script",
7  ... "scriptVars": {
8  ... "ip1": "10.1.1.1",
9  ... "mask": "255.255.255.0",
10 ... "description": "API",
11 ... "ip2": "11.1.1.1",
12 ... "ip3": "12.1.1.1",
13 ... "ip4": "13.1.1.1",
14 ... "ip5": "14.1.1.1",
15 ... "ip6": "15.1.1.1",
16 ... "ip7": "16.1.1.1",
17 ... "ip8": "17.1.1.1",
18 ... "ip9": "18.1.1.1"
19 ... },
20 ... "adom": "FGT-74",
21 ... "devices": [
22 ... "74FGT3300E001",
23 ... "74FGT3300E002",
24 ... "74FGT3300E003",
25 ... "74FGT3300E004",
26 ... "74FGT3300E005",
27 ... "74FGT3300E006",
28 ... "74FGT3300E007",
29 ... "74FGT3300E008",
30 ... "74FGT3300E009",
31 ... "74FGT3300E010"
32 ... ]
33 ... }
34 ... ]
35 }
```

**Sample CreateScript response:**

```

1  {
2    "httpStatus": 201,
3    "bodyObj": {
4      "transform_map": "fmg_script_stage",
5      "table": "x_forti_fmgingv2_fmg_script",
6      "display_name": "number",
7      "display_value": "SID0000000000703",
8      "record_link": "https://ven02318.service-now.com/api/now/table/x_forti_fmgingv2_fmg_script/c2c48c5f1b4e02500d2a326fdc4bcbe3",
9      "status": "inserted",
10     "sys_id": "c2c48c5f1b4e02500d2a326fdc4bcbe3"
11   },
12   "status": {
13     "code": 0,
14     "message": "OK"
15   }
16 }

```

## Using CheckExec

**Request object:**

```

{
  "method": "POST",
  "params": [
    {
      "url": "CheckExec",
      "number": "string",
    }
  ]
}

```

**Request parameters:**

Name	Description	
method	Should be <b>"POST"</b>	
params	url	Should be <b>"CheckExec"</b>
	number	The unique tracking string for ServiceNow table. It can be retrieved from the <code>display_value</code> variable from "Create Script" response.

**Sample CheckExec request:**

```

1  {
2    "method": "POST",
3    "params": [
4      {
5        "url": "CheckExec",
6        "number": "SID0000000000702"
7      }
8    ]
9  }

```

**Sample CheckExec response:**

```

1  {
2    "data": {
3      "adom": "FGT-74",
4      "number": "SID0000000000702",
5      "sys_updated_on": "2024-05-02 19:15:44",
6      "exec_script_task_id": "38483",
7      "exec_script_status": "done",
8      "exec_script_percent": "100"
9    },
10   "status": {
11     "code": 0,
12     "message": "OK"
13   }
14 }

```

## Using CheckDeploy

**Request object:**

```

{
  "method": "POST",
  "params": [
    {
      "url": "CheckDeploy",
      "number": "string"
    }
  ]
}

```

**Request parameters:**

Name	Description
method	Should be <b>"POST"</b>
params	url      Should be <b>"CheckDeploy"</b>
	number    The unique tracking string for ServiceNow table. It can be retrieved from the display_value variable from "Create Script" response.

**Sample CheckDeploy request:**

```

1  {
2    "method": "POST",
3    "params": [
4      {
5        "url": "CheckDeploy",
6        "number": "SID0000000000702"
7      }
8    ]
9  }

```

**Sample CheckDeploy response:**

```
1  {
2    "data": {
3      "adom": "FGT-74",
4      "number": "SID000000000702",
5      "sys_updated_on": "2024-05-02 19:15:44",
6      "deploy_task_id": "38484",
7      "deploy_status": "done",
8      "deploy_percent": "100"
9    },
10   "status": {
11     "code": 0,
12     "message": "OK"
13   }
14 }
```



# Change Log

Date	Change Description
2024-05-14	Initial release.



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