

Integrate SharePoint With MachPanel

Summary

This article describes in detail about integrating Microsoft SharePoint with MachPanel Control Server.

Applies To

Applies to MachPanel v7 and above.

Pre-requisites

MachPanel Control Server has been installed, if not then follow below KB article:

<http://kb.machsol.com/Knowledgebase/Article/50261>

MachPanel Remote Server on has been installed, if not then follow below KB article:

<http://kb.machsol.com/Knowledgebase/Article/50262>

Active Directory information has been added in MachPanel, if not then follow below KB article:

<http://kb.machsol.com/Knowledgebase/Article/50263>

Also make sure that MachPanel Control Server and MachPanel Remote Server should be on the same build and that MachPanel Provisioning Service is running on both servers.

Solution

- Open MachPanel Control Panel Website (You can do it by opening MachPanel Control Server Configuration Studio and then navigating to **Configure > Control Panel Website**, and then clicking on the URL in it). Log in with the provider credentials.
- Following SharePoint Server Version are supported in latest build of MachPanel.

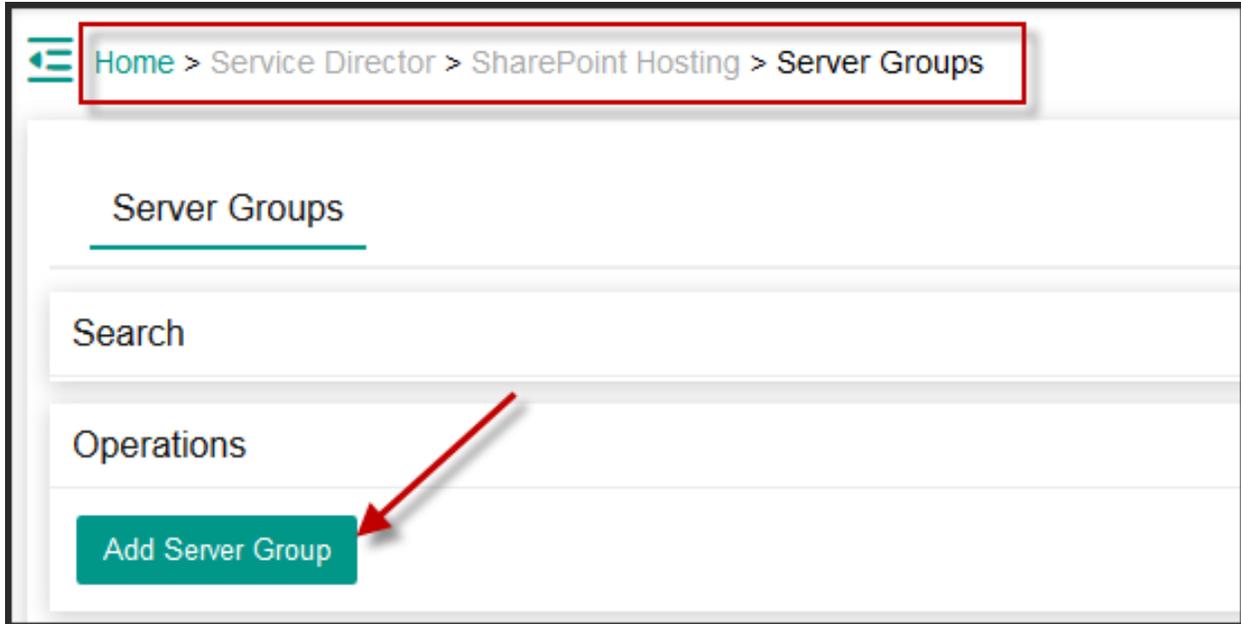


The screenshot shows the 'SharePoint Providers' configuration page in the MachPanel Control Panel. The page has a breadcrumb trail: Home > System Configuration > Providers > SharePoint Providers. Below the breadcrumb is a table with three columns: Provider, Integration Status, and Status. The table lists eight providers, all with 'Stable' integration status and 'Enabled' status. At the bottom of the table, it says 'Showing: 1 - 8 of 8' and 'Showing per page: 20 Change'.

Provider	Integration Status	Status
WSS3.0/MOSS 2007	Stable	Enabled
Microsoft SharePoint 2010	Stable	Enabled
Microsoft SharePoint 2010 Multi-Tenant	Stable	Enabled
Microsoft SharePoint 2013	Stable	Enabled
Microsoft SharePoint 2013 Multi-Tenant	Stable	Enabled
Microsoft SharePoint 2016	Stable	Enabled
Microsoft SharePoint 2016 Multi-tenant	Stable	Enabled
Microsoft SharePoint 2019	Stable	Enabled

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- Navigate to **Home** > **Service Director** > **SharePoint Hosting** > **Server group** and then click on **Add Server Group**. There are two steps in adding SharePoint server in MachPanel.



Integrating SharePoint Server 2019 with MachPanel

- In **Step-1** you will be asked to provide the server group name and LDAP for the OU under which you want all your SharePoint hosting companies to go in Active Directory. Make sure to select the right Active Directory from drop down menu against Active Directory Domain. Also you have to select appropriate SharePoint Provider for e.g. SharePoint 2013 Multitenant, SharePoint 2016. See the snapshot below:

The screenshot shows the 'Add SharePoint Server Group' form in MachPanel. The breadcrumb path is Home > Service Director > SharePoint Hosting > Server Groups > Add Server Group. The form has two steps: Step-1 (selected) and Step-2. The form fields are:

* Server Group Name:	SHAREPOINT 2019
Provider:	Microsoft SharePoint 2019
Active Directory Domains:	ess-lab2019
* LDAP URL:	LDAP://OU=HOSTING,DC=ess-lab2019,DC=local
Fill Style:	Least Filled First
Enabled:	<input checked="" type="checkbox"/>
Override domain credentials:	<input type="checkbox"/> Use this option if you want to use a different account for this service from what is specified in active directory domain settings.

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- You can use the credentials provided in Active directory or **override the active directory domain credentials** by checking the option against override domain credentials as shown in below snapshot. Make sure the below two things for the user given for overriding domain credentials:
 - The application pool identity of Web Application in SharePoint server is running under this user as well.
 - This user should be included in the members of domain admins and administrators for operations in Active directory. "Best is to use Farm admin account".

Service account credentials

* **SP Farm Admin:** SPAdmin

* **Password:**

Show Password

* **Confirm password:**

- In **Step-2** you will be asked to provide the SharePoint server details to be added in MachPanel. Please enter the correct server details and its **IP** and **SharePoint web application URL** already created in SharePoint server, under 'Server Information'. You can select **HTTP** or **HTTPS** from dropdown menu while giving SharePoint Web Application URL.
- Also do remember that if you are using live IP for SharePoint server then give this live IP against **Public IP** of SharePoint server.
- The **Host name Entry** for newly created site collections will be binded to this live IP.

Step-1 Step-2

Server Information

* Reference Id:

* IP: 10.10.20.21

* Front-End Server IP(s):

* SharePoint Web Application URL: https:// sp1-ess2019.local

* Web application Id: Sharepoint-60

* Public IP of SharePoint server: 10.10.20.21

Add Host Entry:

Handle DNS:

Handle Claim Authentication:



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- **Web Application ID** should be same as shown in IIS
- Select the files you want to block under the file restriction:

File Restriction

Blocked file types:

- asmx
- asp
- bas
- bat
- cdx
- cer
- chm
- class
- cmd
- com

Type each file extension on a separate line.

- Check the send email option as per your requirement under the **Confirmation and Auto deletion settings**.

Confirmation and Auto Deletion Settings

Send e-mail notifications to owners of unused site collection:

Start sending unused site collections notification: 30
days after site collection creation, or use is confirmed.

Check for unused site collections and send notices: Daily
and run the check at 12am 0

Automatically delete the site collection if use is not confirmed:

* Delete the site collection after sending: 28 Notices

- Give the correct SMTP server IP and email addresses under **Outgoing E-Mail Settings**:

Outgoing E-Mail Settings

Outgoing SMTP server: 10.10.20.24

From Address: noreply@sharepoint.com

Reply-To Address: noreply@sharepoint.com

Use TLS connection encryption: Yes

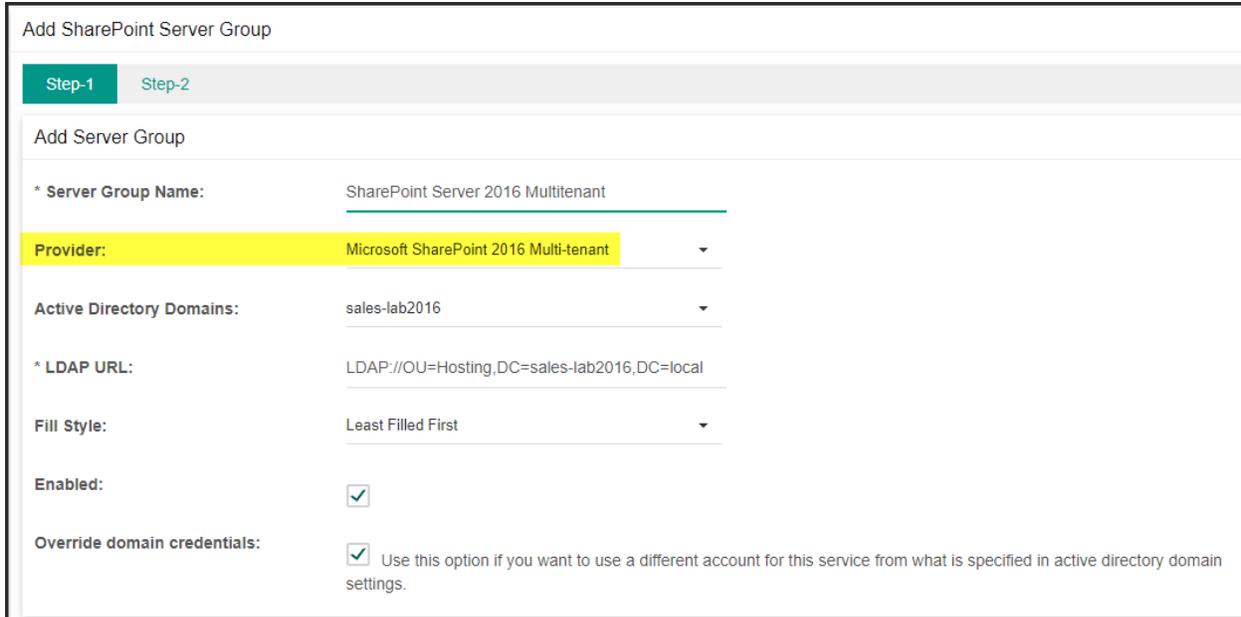
SMTP server port: 25

Save Cancel

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Integrating SharePoint Multi-tenant 2010\2013\2016 with MachPanel

In **Step-1**, Navigate to **Home >>Service Director>>SharePoint Hosting>> Server groups** and then click on **Add Server Group**.



Add SharePoint Server Group

Step-1 Step-2

Add Server Group

* Server Group Name: SharePoint Server 2016 Multitenant

Provider: Microsoft SharePoint 2016 Multi-tenant

Active Directory Domains: sales-lab2016

* LDAP URL: LDAP://OU=Hosting,DC=sales-lab2016,DC=local

Fill Style: Least Filled First

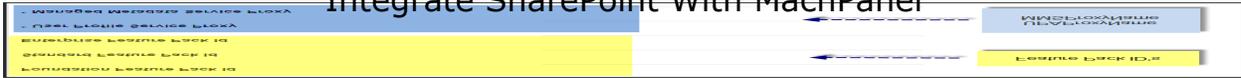
Enabled:

Override domain credentials: Use this option if you want to use a different account for this service from what is specified in active directory domain settings.

1. **Server Group Name:** Any name can be used. (e.g. "SharePoint Hosting")
 2. **Provider:** Select "Microsoft SharePoint 2016 Multi-Tenant"
 3. **Active Directory:** Select relevant AD domain from dropdown.
 4. **LDAP URL:** LDAP for the OU under which you want all your hosting companies to go in AD | e.g. "LDAP://OU=Hosting, DC=Domain, DC=Com"
- In the **Step-2** you will be asked to provide the SharePoint server (*Multi-tenant Install*) details such as Server Type, Reference Id, SharePoint Server(s) IP, Feature Pack Id's, UPA Proxy Name and MMS Proxy Name etc. See the below snapshot:



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Note: This

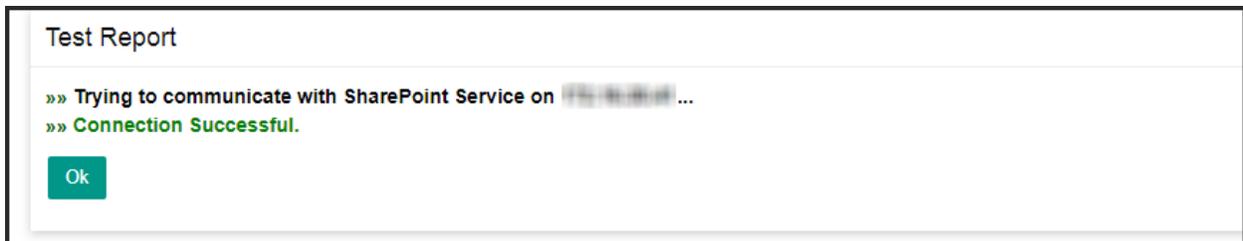
<http://gallery.technet.microsoft.com/ScriptCenter/6c5a78b8-9b7d-4dcc-9e39-5b2d145688c0/> script creates Feature Packs for each of the SharePoint SKUs for use with Site Subscriptions.

(Create only if it does not already exist).

- "TLS connection Encryption" is also supported for **Outgoing Email Settings** as shown below:

The screenshot shows the 'Outgoing E-Mail Settings' configuration page. The 'Use TLS connection encryption' option is highlighted in yellow and is set to 'Yes'. Other settings include the Outbound SMTP server (10.10.20.21), From Address (noreply@sharepoint.com), Reply-To Address (noreply@sharepoint.com), and SMTP server port (25).

- After adding the server group, go to Server group tab and click on '**Test Service**' against the newly added service group to verify the connection between MachPanel control and SharePoint Remote server.

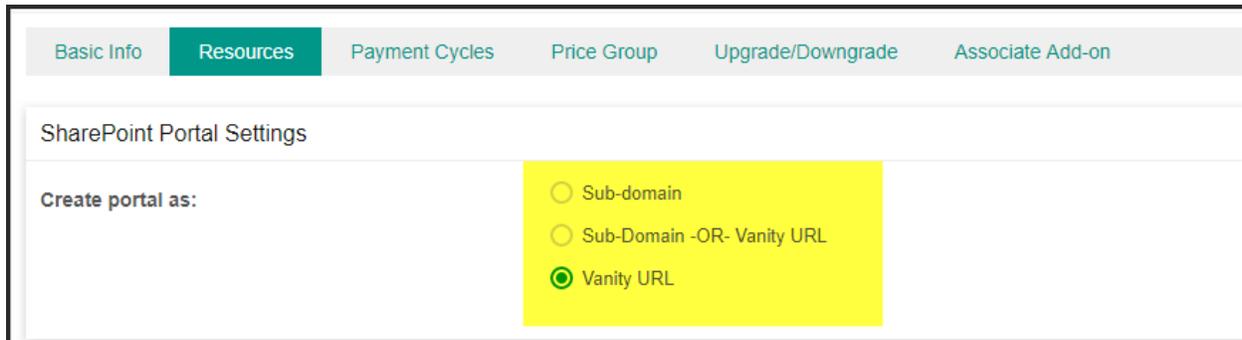


If you receive above message upon 'test service', then you have successfully integrated SharePoint into MachPanel.

Creating SharePoint products/plan for 2013 Multi-tenant

Integrate SharePoint With MachPanel

Navigate to Home >> Service Plans >> SharePoint Products then click on Add new Product. See the below snapshot...



The screenshot shows a web interface with a navigation bar at the top containing tabs: 'Basic Info', 'Resources' (selected), 'Payment Cycles', 'Price Group', 'Upgrade/Downgrade', and 'Associate Add-on'. Below the navigation bar is a section titled 'SharePoint Portal Settings'. Under this section, there is a label 'Create portal as:' followed by three radio button options: 'Sub-domain', 'Sub-Domain -OR- Vanity URL', and 'Vanity URL'. The 'Vanity URL' option is selected, indicated by a filled green circle, and the entire area containing these options is highlighted with a yellow background.

- Fill out the remaining fields according to your own requirement and click on **Finish**. You need to create three Plans:
 1. Foundation
 2. Standard
 3. Enterprise

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/50267/Integrate-SharePoint-With-MachPa...>