



SANGFOR

VDI

Version release document and upgrade guide

Version 5.4.0

Change Log

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Chapter 1 What is new?

1. Support concurrent sessions in a VDI client.
2. Support assigning different permissions to different administrators, achieving separation of privileges.
3. Support Webpage redirection, enhancing user experience.
4. Differentiate policy sets based on associated users and virtual machines so that different policy sets can be applied in different scenarios.
5. For domain user logging into virtual machine, the VM template settings can be synced to that virtual machine.
6. Improve design of thin client navigation bar and usability.
7. Support dual monitors.
8. Support cluster health check to help find and locate issues so as to enhance operations efficiency.
9. Provide support for serial and parallel ports to meet the requirements from customers in financial field.
10. Support quick VDC and VMP recovery to meet customers' high requirements on system stability.
11. Remote application, shared desktop and Remote desktop.
12. Windows auto update tasks.

Chapter 2 Application scenario

1. Large-sized enterprises need separate and assign administrative privileges to different administrators.
2. The organization has the demand of using dual monitors for work.
3. The customers have the demand of using concurrent virtual desktop sessions for work.
4. Existing customers have the demand to improve user experience.

Chapter 3 Upgrade guide for Customer

3.1 Confirmation before Upgrade

For Upgrade to VDC5.4.0 official Version:

- 1) Support upgrade from VDI5.1 official version (VDI5.1_EN(20170503).ssu) with the update package **VDI540_EN(20190728).ssu**.
- 2) Support upgrade from VDI5.3.3 official version (VDI5.3.3_EN(20180827).ssu) with the update package **VDI540_EN(20190728).ssu**.
- 3) Support upgrade from VDI5.3.8 official version (VDI5.3.3_EN(20180827).ssu) with the update package **VDI540_EN(20190728).ssu**.
- 4) Support upgrade from VDI5.3.8SP1 official version (VDI5.3.8SP1_EN(20190116).ssu) with the update package **VDI540_EN(20190728).ssu**.

For Upgrade to VMP5.4.0 Official Version:

- 1) Support upgrade from VMP5.1 official version (VMP5.1.05_EN(20170512).pkg) with the update package **VMP5.4.0_EN(20190729).pkg**.
- 2) Support upgrade from VMP5.3.3 official version (VMP5.3.3_EN(20180827).pkg) with the update package **VMP5.4.0_EN(20190729).pkg**.
- 3) Support upgrade from VMP5.3.8 official version (VMP5.3.8_EN(20181128).pkg) with the update package **VMP5.4.0_EN(20190729).pkg**.
- 4) Support upgrade from VMP5.3.8SP1 official version (VMP5.3.8SP1_EN(20190117).pkg) with the update package **VMP5.4.0_EN(20190729).pkg**.

3.2 Upgrade Limitations

1. Not support upgrade from custom version.
2. Not support upgrade from version installed KB package.
3. Shut down all the running virtual machines and then enable maintenance mode before upgrading Sangfor VMP.
4. If VMP is a 3D server and its version is earlier than 5.3.3, passthrough mode should be enabled in system settings before upgrading and shared mode will lead to a upgrade failure.
5. VDC disk space needs to be greater than 64G.

3.3 Upgrade Recommendations

1. Upgrade VMP first, and then upgrade VDC after VMP is successfully upgraded.
2. Before upgrading VMP, make sure that all the virtual machines on VMP have been shut down. You may also disable all the resources on VDC before upgrading it so as to prevent users from using virtual machines.
3. Install service pack of VMP. There is no need to restart VMP after installation. Then, check environment before upgrade by clicking the Check Now button in System > Upgrade and Maintenance > Upgrade. If environment check fails, please handle it according to pop-up instructions. Load update package of this version until after environment check succeeds.
4. Before upgrading VDC, back up the system configurations of all the VDC devices in Maintenance > Backup/Restore > System Configuration. Perform this operation on each VDC if there are more than one VDCs.
5. If Agent should be updated after VDC is successfully upgraded, it is recommended to restrict the number of virtual machines to be updated concurrently according to VMP version. For cluster comprised of VDS3500 and higher hardware platforms, the number of virtual machines to be updated concurrently should be within 50. For hardware platforms lower than VDS3500, the number should be within 10. If too many virtual machines are updated at the same time, although update failure will not be incurred, the update speed may be affected and VMP performance may be brought down.
6. After 3D-supported VMP unit upgrade completion, update Agent, otherwise end users may experience crash when logging into VDI client.

3.4 Upgrade Procedure

For VMP5.4.0:

- Step 1: Shut down all the virtual machines on the VMP to be upgraded and enable maintenance mode.
- Step 2: Check environment before upgrade by clicking the Check Now button.
- Step 3: If environment check fails, handle it according to pop-up instructions. Load update package (VMP5.4.0_EN(20190729).pkg) after environment check succeeds.

For VDI5.4.0:

- Step: Install the update package (VDI540_EN(20190728).ssu) on supported VDC.



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