



# **Virtual Desktop Service – v6.0 Release Notes**

## **Virtual Desktop Service**

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June 15, 2021

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# Virtual Desktop Service – v6.0 Release Notes

## VDS v6 release: Thursday September 9th, 2021

*Components:* Virtual Desktop Service v6

*When:* Thursday September 9, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

### Virtual Desktop Service

- Assorted proactive security and performance enhancements

## VDS v6 release: Thursday August 26th, 2021

*Components:* Virtual Desktop Service v6

*When:* Thursday August 26, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

### Virtual Desktop Service

- Update to the URL placed on a user's desktop when they are granted access to the VDS management UI

## VDS v6 release: Thursday August 12th, 2021

*Components:* Virtual Desktop Service v6

*When:* Thursday August 12, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

### Virtual Desktop Service

- Enhancements to Cloud Insights functionality and context
- Improved backup schedule frequency handling
- Bug fix - resolve an issue for CwVmAutomation service checking config on service restart
- Bug fix - resolve an issue for DCConfig that did not allow saving configurations in certain scenarios
- Assorted proactive security and performance enhancements

## VDS v6 hotfix: Tuesday July 30th, 2021

*Components:* Virtual Desktop Service v6

*When:* Friday July 30th, 2021 at 7pm – 8pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Deployment template update to facilitate automation improvements

## VDS v6 release: Thursday July 29th, 2021

*Components:* Virtual Desktop Service v6

*When:* Thursday July 29th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Bug fix - resolve an issue for VMware deployments where CWAgent didn't get installed as intended
- Bug fix - resolve an issue for VMware deployments where creating a server with the Data role didn't function as intended

## VDS v6 hotfix: Tuesday July 20th, 2021

*Components:* Virtual Desktop Service v6

*When:* Tuesday July 20th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Remediate an issue causing abnormally large amount of API traffic in a certain configuration

## VDS 6.0 release: Thursday July 15th, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday July 15th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Enhancement to Cloud Insights integration –capturing per-user performance metrics and displaying them in the User context
- Improvements to ANF provisioning automation – improved automated registration of NetApp as a provider in the customer's Azure tenant
- Phrasing adjustment when creating a new AVD Workspace
- Assorted proactive security and performance enhancements

## VDS 6.0 release: Thursday June 24, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday June 4th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual

Desktop Service will remain available.



Due to scheduling around the 4th of July, the next VDS release will be on Thursday 7/15.

## Virtual Desktop Service

- Updates to reflect that Windows Virtual Desktop (WVD) is now Azure Virtual Desktop (AVD)
- Bug fix for username formatting in Excel exports
- Improved configurations for custom branded HTML5 login pages
- Assorted proactive security and performance enhancements

## Cost Estimators

- Updates to reflect that Windows Virtual Desktop (WVD) is now Azure Virtual Desktop (AVD)
- Updates to reflect the more services/GPU VMs are available in new regions

## VDS 6.0 release: Thursday June 10, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday June 10th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Introduction of an additional HTML5 browser-based gateway/access point for VMs
- Improved user routing after deleting a host pool
- Bug fix for a scenario where importing an unmanaged host pool was not functioning as expected
- Assorted proactive security and performance enhancements

## VDS 6.0 release: Thursday June 10, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday June 10th, 2021 at 10pm eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Technical enhancements:

- Update the version of the .NET framework installed on each VM from v4.7.2 to v4.8.0
- Additional back-end enforcement of the use of https:// and TLS 1.2 or greater between the Local Control Plane team and any other entity
- Bug fix for the Delete Backup Operation in the Command Center – this now properly references the time zone of CWMGR1
- Rename the Command Center action from Azure File share to Azure Files share
- Naming convention updates in Azure Shared Image Gallery

- Improved concurrent user login count collection
- Update to outbound traffic allowed from CWMGR1, if restricting traffic outbound from the CWMGR1 VM
- If you are not restricting outbound traffic from CWMGR1, you do not have to make any updates here
- If you are restricting outbound traffic from CWMGR1, please allow access to `vdctoolsapiprimary.azurewebsites.net`. Note: you no longer need to allow access to `vdctoolsapi.trafficmanager.net`.

## Deployment enhancements:

- Lay the foundation for future support of custom prefixes in server names
- Improved process automation and redundancies for Azure deployments
- Numerous deployment automation enhancements for Google Cloud Platform deployments
- Support for Windows Server 2019 in Google Cloud Platform deployments
- Bug fix for a subset of scenarios where the Windows 10 20H2 EVD image

## Service delivery enhancements:

- Introduces Cloud Insights integration, delivering streaming performance data for User Experience, VM and Storage layers
- Introduces a function that allows you to quickly navigate to a VDS page visited recently
- Substantially improved list (Users, Groups, Servers, Applications, etc.) loading times for Azure deployments
- Introduces the ability to easily export lists of Users, Groups, Servers, Admins, Reports, etc.
- Introduces the ability to control what VDS MFA methods are available for customers (customer prefers email vs. SMS, for example)
- Introduces customizable “from” fields for VDS self-service password reset emails
- Introduces the option to only allow VDS self-service password reset emails to go to specified domains (company owned vs. personal, for example)
- Introduces an update that can prompt the user to add their email to their account so that they can use it or MFA/self-service password resets
- When starting a stopped deployment, start all VMs within the deployment as well
- Performance improvement for determining which IP address to assign to newly created Azure VMs

## VDS 6.0 release: Thursday May 27, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday May 27th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Introduce Start on Connect for Pooled session hosts in AVD host pools
- Introduce User performance metrics via Cloud Insights integration

- Display the Servers tab more prominently in the Workspaces module
- Allow the restoration of a VM via Azure Backup if the VM has been deleted from VDS
- Improved handling of Connect to Server functionality
- Improved handling of variables when creating and updating certificates automatically
- Bug fix for an issue where clicking an X in a drop-down menu didn't clear the selection as expected
- Improved reliability and automatic error handling for SMS message prompts
- Update to the User Support role – this can now terminate processes for a logged in user
- Assorted proactive security and performance enhancements

## VDS 6.0 release: Thursday May 13, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday May 13th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

### Virtual Desktop Service

- Introduction of additional AVD host pool properties
- Introduce additional automation resilience in Azure deployments in the event of back-end service issues
- Include the server name in the new browser tab when using the Connect to Server feature
- Display the quantity of users in each group
- Enhanced resilience for the Connect to Server feature in all deployments
- Additional enhancements to setting MFA options for organizations and end users
  - If SMS is set as the only MFA option available, require a phone number but not an email address
  - If email is set as the only MFA option available, require an email address but not a phone number
  - If both SMS and email are set as options for MFA, require both an email address and a phone number
- Clarity improvement - remove the size of an Azure Backup snapshot, as Azure doesn't return the size of the snapshot
- Add the ability to delete a snapshot in non-Azure environments
- Bug fix for AVD host pool creation when using special characters
- Bug fix for workload scheduling for host pool via the Resources tab
- Bug fix for an error prompt that appears when cancelling a bulk user import
- Bug fix for a possible scenario with settings of application added to a Provisioning Collection
- Update to the email address sending notifications/messages – messages will now be sent from [noreply@vds.netapp.com](mailto:noreply@vds.netapp.com)
  - Customers safelisting inbound email addresses should add this email address

## VDS 6.0 release: Thursday April 29, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday April 29th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Introduce Start on Connect feature for Personal AVD host pools
- Introduce Storage context in the Workspace module
- Introduce Storage (Azure NetApp Files) monitoring via Cloud Insights integration
  - IOPs monitoring
  - Latency monitoring
  - Capacity monitoring
- Improved logging for VM Cloning actions
- Bug fix for a specific workload scheduling scenario
- Bug fix for not displaying a VM's time zone in a certain scenario
- Bug fix for not logging out a AVD user in a certain scenario
- Updates to automatically generated emails to reflect NetApp branding

## VDS 6.0 hotfix: Friday April 16th, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Friday April 16th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Resolve an issue with automated certificate creation that arose after last night's update that improved automated certificate management

## VDS 6.0 release: Thursday April 15, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday April 15th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

## Virtual Desktop Service

- Enhancements to the Cloud Insights integration:
  - Frames Skipped – Insufficient Network Resources
  - Frames Skipped – Insufficient Client Resources
  - Frame Skipped – Insufficient Server Resources
  - OS Disk – Read Bytes
  - OS Disk – Write Bytes
  - OS Disk – Read Bytes/second



- OS Disk – Write Bytes/second
- Update to task history in the Deployments module – improved handling of task history
- Bug fix for an issue where an Azure Backup couldn't be restored to CWMGR1 from a disk in a subset of scenarios
- Bug fix for an issue where certificates weren't automatically being updated and created
- Bug fix for an issue where a stopped deployment didn't start quickly enough
- Update to the State drop-down list when creating a Workspace – remove the item "National" from the list
- Additional updates to reflect NetApp branding

## VDS 6.0 hotfix: Wednesday April 7th, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Wednesday April 7th, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

### Virtual Desktop Service

- Due to increasingly variable response times from Azure, we are increasing the amount of time we wait for a response when entering Azure credentials during the deployment wizard.

## VDS 6.0 release: Thursday April 1, 2021

*Components:* 6.0 Virtual Desktop Service

*When:* Thursday April 1st, 2021 at 10pm – 11pm Eastern

*Impact:* Access to desktops and application services for End Users will remain uninterrupted. Access to Virtual Desktop Service will remain available.

### Virtual Desktop Service

- Updates to the NetApp Cloud Insights integration – new streaming data points:
  - NVIDIA GPU performance data
  - Round Trip Time
  - User Input Delay
- Update the Connect to Server function to allow administrative connections to VMs even when VMs are set to disallow connections from end users
- API enhancements to enabled theming & branding in a subsequent release
- Improved visibility of the actions menu available in HTML5 connections via Connect to Server or RDS user sessions via HTML5
- Increase the QTY of characters supported in the name of an activity Scripted Events
- Updated Provisioning Collections OS choices by type
  - For AVD and Windows 10, use the VDI collection type to ensure the Windows 10 OS is present
  - For a Windows Server OS, use the Shared collection type
- Assorted proactive security and performance enhancements

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