



# **Cloud Workspace Management Suite – Version 5.2**

## **Virtual Desktop Service**

Toby vanRoojen  
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# Table of Contents

|  |    |
|--|----|
| Cloud Workspace Management Suite – Version 5.2 .....                 | 1  |
| CWMS 5.2 release: Mon., December 2, 2019 .....                       | 1  |
| CWMS 5.2 release: Thurs., November 14, 2019 .....                    | 1  |
| CWMS 5.2 release: Thurs., October 31, 2019 .....                     | 1  |
| CWMS 5.2 release: Thurs., October 17, 2019 .....                     | 1  |
| CWMS 5.2 release: Thurs., October 3, 2019 .....                      | 1  |
| CWMS 5.2 release: Thurs., September 19, 2019 .....                   | 2  |
| CWMS 5.2 release: Thurs., September 5, 2019 .....                    | 2  |
| CWMS 5.2 release: Thurs., August 22, 2019 .....                      | 3  |
| CWMS 5.2 release: Thurs., August 8, 2019 .....                       | 3  |
| CWMS 5.2 release: Thurs., July 25, 2019 .....                        | 3  |
| CWMS 5.2 release: Thurs., July 11, 2019 .....                        | 4  |
| CWMS 5.2 release: Thurs., June 20, 2019 .....                        | 4  |
| CWMS 5.2 release: Thurs., June 6, 2019 .....                         | 5  |
| CWMS 5.2 release: Thurs., May 23, 2019 .....                         | 5  |
| CWMS 5.2 release: Thurs., May 9, 2019 .....                          | 6  |
| CWMS 5.2 release: Thurs., April 25, 2019 .....                       | 6  |
| CWMS 5.2 release: Thurs., April 11, 2019 .....                       | 6  |
| CWMS 5.2 release: Thurs., March 28, 2019 .....                       | 7  |
| CWMS 5.2 Minor Release: Thurs., March 14, 2019 .....                 | 8  |
| CWMS 5.2 Minor Release: Thurs., February 28, 2019 .....              | 8  |
| CWMS 5.2 Minor Release: Thurs., February 14, 2019 .....              | 9  |
| CWMS 5.2 Minor Release: Thurs., January 31, 2019 .....               | 10 |
| CWMS 5.2 Minor Release: Thurs., January 17, 2019 .....               | 11 |
| CWMS 5.2 Minor Release: Thurs., December 20, 2018 .....              | 12 |
| CWMS 5.2 Minor Release: Thurs., December 6, 2018 .....               | 12 |
| CWMS 5.2 Minor Release: Thurs., November 1, 2018 .....               | 13 |
| CWMS 5.2 Minor Release: Thurs., October 18, 2018 .....               | 13 |
| CWMS 5.2 Minor Release: Thurs., September 27, 2018 .....             | 14 |
| CWMS 5.2 Minor Release: Thurs., September 6, 2018 .....              | 14 |
| CWMS 5.2 General Availability Release: Thurs., August 10, 2018 ..... | 15 |

# Cloud Workspace Management Suite – Version 5.2



There will be no further recurring releases for v5.2 of CWMS – all releases will be considered hotfixes.

## **CWMS 5.2 release: Mon., December 2, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Monday December 2, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

No updates this release cycle.

## **CWMS 5.2 release: Thurs., November 14, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday November 14, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

No updates this release cycle.

## **CWMS 5.2 release: Thurs., October 31, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday October 31, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

No updates this release cycle.

## **CWMS 5.2 release: Thurs., October 17, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday October 17, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

No updates this release cycle.

## **CWMS 5.2 release: Thurs., October 3, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday October 3, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

No updates this release cycle.

## **CWMS 5.2 release: Thurs., September 19, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday September 19, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### **Cloud Workspace Management Suite**

Default an Azure deployment's Resource Allocation Type to Fixed; with the VM series/size selected being the VM defined by the Administrator in CWMS

Add search functionality for User Activity audit functionality

Bug fix for incorrectly displaying session inactivity timeout warning after 5 minutes instead of 55 minutes

User Support role fix – a subset of Admins with this role were unable to see the list of Users for their organization

User sorting fix – sorting by username works as intended instead of sorting by status

Ensure Master Client Report is present; hide the non-applicable SPLA report for non-Master Software Partners

### **Cloud Workspace tools and services**

Enhanced password encryption behind the scenes

Bug fix for Password Enforcement Notification (PEN) where using the “change password at next logon” feature wasn't working as intended if password expiration dates were set to null by an administrator in CWMGR1

### **Cloud Workspace for Azure setup app**

Fix for international administrators – this on longer requires a State if the Country is not the United States.

Apply CloudJumper via Partner Admin Link (PAL) to present and future Azure deployments at the subscription level

## **CWMS 5.2 release: Thurs., September 5, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday September 5, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### **Cloud Workspace Management Suite**

Updates to the User Support Only role:

- \* Add searching for/filtering Users functionality

- \* Include Connection Status column for Users and their connections

- \* Provide access to the Force Password Change at Next Login feature

- \* Remove visibility of the Delete Client function

Enforce logout of CWMS after 1 hour of inactivity

Fix for a display issue where VM series/sizes were displaying incorrectly when viewing VM roles whose Resource Allocation Type is set to Fixed

Fix for a display issue where environments with Workload Scheduling set to Always Off were displaying improper settings in CWMS, despite being correctly set to Always Off behind the scenes

Permissions update – remove Resource Scheduling tab if the CWMS admin does not have access to the

Resources function in CWMS

## **Cloud resource app**

Updated functionality – support for Command Line usage

## **Cloud Workspace tools and services**

Support for the vCloud Rest interface

## **CWMS 5.2 release: Thurs., August 22, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday August 22, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### **Cloud Workspace Management Suite**

Fix a display issue in the User profile for some monitor sizes

Add clarifying message for non-dynamic App Services notifying admins that it may take a few minutes for changes to take effect

Add refresh button for non-dynamic App Services to make it easier to tell if new clients/users have been added

### **Cloud Workspace for Azure setup**

Add support for MFA for the registration process when linking to an existing CWMS account

Improvement to post-provisioning instructions – link to new and improved Public KB

Improvement to post-provisioning instructions – link opens in a new tab

### **Cloud Workspace tools and services**

Bug fix for SSL certificate management on Legacy (2008 R2) environments

Additional health checks for certificate enforcement and lifecycle management

## **CWMS 5.2 release: Thurs., August 8, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday August 8, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

No updates this release.

## **CWMS 5.2 release: Thurs., July 25, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday July 25, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## 5.2 CWA Setup

Display a message post-provisioning that directs CWA Setup users to the CloudJumper Public KB where they can review next steps and how to refine their deployment  
Improved handling of countries outside the United States during the registration process  
Added a field to confirm the password of the newly created CWMS login during the CWA Setup process  
Remove SPLA licensing section under circumstances where RDS licenses will not be required

## 5.2 Cloud Workspace Management Suite

Improved HTML5 connection handling for CWMS Admins in single server deployments  
Bug fix for a scenario where restarting a user's processing (when it had failed previously) resulted in an "Internal Server Error" message  
Remove SPLA licensing section under circumstances where RDS licenses will not be required  
Include Automatic SSL certificate handling and Automatic SMTP to the provisioning wizard inside CWMS

## 5.2 Cloud Workspace tools and services

When a VDI user logs out of their VM at a time it is set to be powered off, power off that VM  
Azure Backup enhancement – when restoring TSD1 servers as a VM, restore as a TS VM instead of an additional TSD VM  
Streamlined preparation of Azure VMs for Azure Backup handling  
Back end processing speed and security improvements

## 5.2 REST API

Improved handling of server information, enabling faster Wake-on-Demand server load times

## CWMS 5.2 release: Thurs., July 11, 2019

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday July 11, 2019 at 10pm – 11pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace tools and services

Ongoing behind the scenes security enhancements  
Ongoing stability enhancements for auto-generated certificates  
Least Privileged methodology improvement – adjustment to use an account with fewer permissions/less affected by generic lockdowns to perform nightly reboots  
Improvements for integrated backups for Azure deployments  
Improvements for integrated backups for GCP deployments  
Bug fix to no longer unnecessarily reboot servers to apply resource adjustments when they were already correct  
Process enhancement to allow for manual certificate management, if desired

## CWMS 5.2 release: Thurs., June 20, 2019

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday June 20, 2019 at 10pm – 11pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace Management Suite

Improved handling of Users imported into CWMS via the CRA process  
Correct storage displays in the Server section of the Workspace module for a subset of scenarios  
Updated year at the bottom of the CWMS web interface

## 5.2 Cloud Workspace tools and services

Enhanced automated certificate automation

## 5.2 REST API

Display correction – display the correct values previously entered in the Live Scaling feature when opening the Live Scaling feature again  
Allow for creation of a default backup schedule for the Power User role (VDI Users).

## CWMS 5.2 release: Thurs., June 6, 2019

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday June 6, 2019 at 10pm – 11pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace tools and services

Improved handling of multiple emails for platform notifications  
Bug fix for a subset of scenarios where Workload Scheduling was not turning servers off correctly  
Bug fix for a subset of scenarios where restoring servers from Azure Backup didn't restore the proper storage type vs. a default storage type

## 5.2 CWA Setup

Continued security enhancements during the CWA Setup Process  
Improved automated handling of subnet and gateway settings  
Improved behind-the-scenes process of handling user accounts during the registration process  
Includes a process to refresh tokens in the event a user remains in the CWA Setup process for more than 1 hour

## CWMS 5.2 release: Thurs., May 23, 2019

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday May 23, 2019 at 10pm – 11pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace Management Suite

Improved link in the AVD tab in the Workspaces module  
Bug fix for a scenario where clicking a link to a Workspace from the Data Centers module wouldn't take you to that Workspace  
Bug fix for a scenario where updating the contact info for a Primary Admin would remove their designation as

## **CWMS 5.2 release: Thurs., May 9, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday May 9, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### **5.2 Cloud Workspace tools and services**

Scalability improvements for deployments with several hundred to several thousand VMs

## **CWMS 5.2 release: Thurs., April 25, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday April 25, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
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### **5.2 Cloud Workspace Management Suite**

Interface improvement – in the event backups are not enabled for a server in Azure or GCP, remove the size column from the Backup section of a server

### **5.2 Cloud Workspace tools and services**

Bug fix for a scenario where changing resources for RDP and/or HTML5 gateway servers would not bring them back online after the resource change was complete

### **5.2 REST API**

Improved handling of initial MFA configurations, regardless of scenario

### **5.2 CWA Setup**

Support for existing CWMS accounts, empowering indirect CSPs to provision correctly and simplifying the process for existing Partners

Additional validation for Azure Active Directory Domain Services – display an error if Azure Active Directory Domain Services is selected, but is already in place

## **CWMS 5.2 release: Thurs., April 11, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday April 11, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
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## 5.2 Cloud Workspace Management Suite

Bug fix for Provisioning Collections – saving a Provisioning Collection with an app that does not have a desktop icon will no longer display an error in CWMS

Bug fix – resolve an issue where starting a stopped platform server from CWMS displayed an error because there was no Partner code attached

## 5.2 Cloud Workspace tools and services

Stability enhancement for deleting servers in vCloud deployments – in the event that multiple FMs are found in one vApps, only delete the VM instead of deleting the vApp

Add an option to not install wildcard certificates on infrastructure servers

Improvements for cloning TSD servers in AzureAD

Improvements for Server Resource Report – handling servers with multiple IP addresses

Bug fix for a subset of scenarios when a list of backups for a server didn't load for review in AzureRM

Bug fix when attempting to clone VMs with a prefix in Azure Classic (all new and recent deployments use AzureRM)

Bug fix for DNS errors not being reported correctly in the Server Resource Report for Server 2008 R2

Bug fix for not sending the Company Resource report in the event that a VM deleted from the hypervisor (but not from AD) and CWMS cannot find Azure backups in the hypervisor itself (only in AzureRM deployments)

## 5.2 CWA Setup

Adding a method to validate that the region selected to provision into has Azure Active Directory Domain Services available

Adding additional checks to resolve DNS timeout issues in a subset of scenarios

Remove B2s as a target for CMGR1 deployment, as it was slowing down the deployment process

## CWMS 5.2 release: Thurs., March 28, 2019

Components: 5.2 Cloud Workspace Management Suite

When: Thursday March 28, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.

Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace Management Suite

Add Azure Virtual Desktop section to the CWMS interface

Allow a CWMS Admin to not set a company logo under Settings → Logo

Add requirement for External ID when updating an app in a Custom App Catalog

## 5.2 Cloud Workspace tools and services

Further streamlining and improvements to the Cloud Workspace for Azure (CWA) deployment process

A Premium Storage account is no longer required to create VMs with Premium Storage in Azure RM deployments

Resolve an issue in a subset of scenarios where Application Usage Tracking reports did not capture usage data

Resolve an issue where updating certificates on HTML5 portal servers would result in an error as HTML5 portal server licensing was updated

Bug fix for Password Expiration Notifications not updating passwords when using Azure Active Directory Domain Services

Adjusted location to which Password Expiration Notifications writes log files

## **5.2 REST API**

Bug fix for starting/stopping Platform servers (not Customer servers) in the Data Center module

## **5.2 CWA Setup**

Improvements for FTP role settings during deployment

Improved mechanism to ensure Admins are seeing the latest release every time they access the CWA Setup process

Improved handling of elements that time out during deployment

Bug fix for a scenario where a deployment was incorrectly tagged as using Azure AD

# **CWMS 5.2 Minor Release: Thurs., March 14, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday March 14, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.

Access to Cloud Workspace Management Suite will remain available.

## **5.2 Cloud Workspace Management Suite**

Change the name of the “Application Monitoring” feature to “Application Usage Tracking”

Apply a fix where refreshing a search for Scripted Events does not re-use selected start/end dates

Default File Audit to start with the date filter set to one day prior to the current date, streamlining the amount of data returned

Bug fix to Integrated Backups for Azure where restoring backups to a server was not functioning as intended in a subset of scenarios

Resolve an application error prompt when updating a Client that belongs to an App Service

## **5.2 REST API**

Azure safeguard – when adding an Azure AD User, ensure that their email address is not already added to the account.

Bug fix – when adding an application for a Client and creating a Group at the same time, add the Users to the Group as intended

Add a validation step when disabling access to RDSH servers that ensures it is still applied after a server is rebooted

General improvements for CWA workflow automation

Bug fix for a subset of scenarios when adding an App to a Group affected other Users of that Group

## **5.2 CWA Setup**

Add a refresh option for the list of subscriptions during the deployment process

Auto-set deployment flag for degraded, legacy MobileDrive service to False

Additional automation safeguards and checks in Azure

# **CWMS 5.2 Minor Release: Thurs., February 28, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday February 28, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## **5.2 Cloud Workspace Management Suite**

Improved clarity and confirmation message for what happens when deselecting the “VDI User” checkbox for Users in the CWMS interface (deletes VDI User’s server) and how to proceed if you do not want to delete the server

Back-end improvements to timestamp handling

## **5.2 Cloud Workspace tools and services**

Updated settings for the license server name in Azure Domain Services

Behind-the-scenes improvements to the process by which a User can change their own password after being logged into their Cloud Workspace

Updated native 2FA to reflect CloudJumper imagery

Bug fix for 2FA if a rare setting is enabled

## **5.2 CWA Setup**

Additional Help/Support content in the CWA Setup wizard

Add agreement terms and pricing to the CWA Setup wizard

Improved mechanism for detecting a Subscription’s quota and permissions

Streamline deployments for Azure Active Directory Domain Services based deployments

Behind-the-scenes improvement to the storage account name format

Bug fix for FTP server settings in a subset of scenarios

# **CWMS 5.2 Minor Release: Thurs., February 14, 2019**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday February 14, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## **5.2 Cloud Workspace Management Suite**

Performance improvement in User management actions

Additional logging enabled to display who requested a change on a Group in the Data Center task history

Resolve an issue in the Standard App Catalog where applications were not displaying in a subset of scenarios

Resolve an issue in App Services with Dynamic Provisioning where an error is displayed if two applications with the same name are

Remove the SDDC creation wizard from the CWMS 5.1 interface

\* If you are running a SDDC that is on 5.1 and you wish to provision a new SDDC, please contact [support@cloudjumper.com](mailto:support@cloudjumper.com) to schedule an upgrade to CWMS 5.2

Correct a spelling error in the API User creation screen of CWMS

## **5.2 Cloud Workspace tools and services**

In vCloud based SDDCs, re-login to the hypervisor in the event the connection expires

In vCloud based SDDCs, increase the default timeout when waiting for servers to boot up

Improved limitations on CloudJumper’s administrative access

## 5.2 REST API

When provisioning a new SDDC via the 5.1 interface of CWMS, the message displayed will be “New data center creation is only supported when using v5.2 of CWMS.”

## 5.2 CWA Setup

Improved automatic error handling

## CWMS 5.2 Minor Release: Thurs., January 31, 2019

Components: 5.2 Cloud Workspace Management Suite

When: Thursday January 31, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted. Access to Cloud Workspace Management Suite will remain available.

### 5.2 Cloud Workspace Management Suite

Add the Cloud Workspace client server's connection info to the Cloud Workspace client's Overview section

Add an editable field in CWMS Account Settings that allows you to enter your Azure AD Tenant ID

Use the most modern version of Microsoft Standard Storage in new Azure deployments

Improved Azure integration, requiring Integrated Backups in Azure deployments to be retained for at least 1 day

Improved handling in Dynamic Provisioning for App Services deployments

Add the date at which server storage is inventoried to that section of the Servers module

Display that an app is provisioned to a User while the User's status is still Pending Cloud Workspace

If a User is a VDI User, display the VDI Server on the User page

If a server is for a VDI User, display the User on the Server page

Resolve an issue in certain scenarios where if a User has an open Service Board task associated with their username, remote access to the VM fails from CWMS

### 5.2 Cloud Workspace tools and services

Improved handling of Live Scaling as Users log in throughout the day

Add automation prerequisites for future Wake on Demand improvements

Add automation prerequisites for future Workload Scheduling improvements

Resolve an issue where using Windows 10 for VDI servers was not properly enabling the remote registry service in Azure Active Directory Domain Services deployments

Resolve an issue where using Windows 10 for VDI servers was not properly setting the security group for the local Remote Desktop Users group in Azure Active Directory Domain Services deployments

Modify PCI compliance setting feature to take no action when not enabled instead of enforcing default configuration settings

Resolve a issue in Workload Scheduling so that Users with Wake on Demand enabled that log out can power down servers if they are scheduled to be powered down

Fix a bug when cloning a server in ProfitBricks public cloud

Fix a bug where cloning servers checks server prefixes to that server names aren't duplicated in VDI User scenarios

Add a check in nightly reports for cached customer codes that are not using a valid provisioning collection

Improved handling of exceptions when both the VM is not in the hypervisor and CWAgent requires an update

Resolve issue resetting passwords via Password Expiration Notification to correctly enforce password history

## CWA Setup

Implement option to automatically configure SMTP settings

Adding validation options for the location list to checks if the subscription has enough quota and enough permissions to create VMs in the selected Azure region

Added feature to remove unneeded Cloudworkspace and other service accounts with administrative permissions at the end of the provisioning process in Azure

Notify Users that manual DNS certificate uploads have been verified

Resolved an issue where ThinPrint installations don't install as intended in certain scenarios

## CWMS 5.2 Minor Release: Thurs., January 17, 2019

Components: 5.2 Cloud Workspace Management Suite

When: Thursday January 17, 2019 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.

Access to Cloud Workspace Management Suite will remain available.

### 5.2 Cloud Workspace Management Suite

The Workload Scheduling interface will now display Description as the first column and change the name of Scheduling to Custom Scheduling

Bug fix for displaying backups of platform servers in Azure deployments

Bug fix for scenarios where End User self-administration for App Services use cases where the organization does not have any Cloud Workspace services set up

### 5.2 Cloud Workspace tools and services

Add Support for PCI v3 compliance

Security enhancement: new CWMS deployments will use a local admin vs. a domain admin to run the CWAgent processes.

Support for Windows Server 2019 in AzureRM deployments

\* Note: Microsoft does not support Microsoft Office in this version yet

Improved handling of Wake on Demand Users – if their organization is scheduled to power VMs down but a User with Wake on Demand is still actively working, do not power down the organization's VMs

Stability improvement when cloning VMs – remove roles like Connection Broker from the newly created VM coming from the cloned VM.

Improved process for installing the ThinPrint license server role

Improved AzureRM template handling – return all templates available for a VM in Azure based on the hardware it runs on, not just templates available in the tenant's Azure region

Improved automated testing for vSphere deployments

Include a check in nightly email reports to see if ThinPrint license server is installed

Bug fix for Live Scaling in a limited subset of scenarios

Bug fix for cloning servers in certain scenarios in vCloud deployments

Bug fix for VM name prefixes in AzureRM deployments

Bug fix for reporting error when using custom machine sizes in Google Cloud Platform

Bug fix for reporting Users with ThinPrint functionality enabled

Excluded Chinese version of Windows from the list of templates available in AzureRM

## CWA Setup

Fix a scenario where passwords that meet the minimum number of characters required were not accepted

Change the ID column to Customer Domain during the tenant selection process for CSPs

Update to the sign-up process that streamlines credit card entry

# CWMS 5.2 Minor Release: Thurs., December 20, 2018

Components: 5.2 Cloud Workspace Management Suite

When: Thursday December 20, 2018 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.

Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace Setup

Added a feature of FTP DNS Registration in the event of a single-server deployment and Automatic SSL is selected during the deployment process

Automated process for populating Azure AD info. (TenantId, ClientId, Key) into back-end tables

The automated installation process will now install ThinPrint License Server 11 instead of 10

## 5.2 CWA Setup

Fix an issue where the registration process redirected admins to a sign in page when completed

# CWMS 5.2 Minor Release: Thurs., December 6, 2018

Components: 5.2 Cloud Workspace Management Suite

When: Thursday December 6, 2018 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.

Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace Tools and Service

Support for creating servers with Win10 OS

Improved speeds when loading a VM from the hypervisor

Return correct storage types available when creating servers in Azure

Add logging of daily reports to the back end of the control plane

Avoid a scenario where temp drives could expand automatically in Azure

Lay the foundation for a future change to display server OS when selecting a template for provisioning

Bug fix for not automatically expanding a drive in GCP

Bug fix for deployment automation when using Azure Active Directory Domain Services

If multiple MGR servers are configured, note an error in the nightly report

Bug fix for automated tests for public cloud (Azure, GCP) backups in VMware deployments

Bug fix for determining disk space on a new VM created via HyperV deployments

Bug fix for collecting server data when AD root OU is blank

Stability improvement when cloning servers based off of a mis-configured hypervisor

## 5.2 REST API

Enable support for machine series in public cloud deployments

Allow the Default Resource Allocation to be Disabled for an SDDC

Added DataCollectedDateUTC to storage details for a server

Add the ability to Compute resource values

Add a new method to get detailed user connection statuses

Display an error in CWMS when deleting a user that also had admin rights

Fixed issue with drive mapping for a data enabled app service not always appearing

Fixed issue updating a client and/or user via CWMS that was imported via CWA

Fixed issue when a new user was created and applications were assigned to the all users group, the new user

would not receive the application shortcuts.

## **CWMS 5.2 Minor Release: Thurs., November 1, 2018**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday November 1, 2018 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### **5.2 Cloud Workspace Management Suite**

Bug fix for integrated backups

Bug fix for a specific use case in a CRA deployment

### **5.2 Cloud Workspace tools and services**

Enable the ability to return storage types available in Azure ARM deployments when creating servers

Support for multi-site Active Directory topology

Fix an issue with TestVDCTools when using Azure Active Directory Domain Service

Bug fix for nightly email reports when AD root OU is blank

### **5.2 REST API**

Support unlocking Users when Azure Active Directory Domain Services. Note: please be aware that there may be a delay of up to 20 minutes due to replication.

## **CWMS 5.2 Minor Release: Thurs., October 18, 2018**

Components: 5.2 Cloud Workspace Management Suite

When: Thursday October 18th, 2018 at 10pm – 11pm Eastern

Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### **5.2 Cloud Workspace Management Suite**

in the Data Center wizard, enable validation of wildcard certificates

General behind-the-scenes improvements and bug fixes

Add a search function in the applications table

Improved sorting in the applications table

Add details for completing DNS registration in the Data Center provisioning process

Include all Sub Partner Users and groups in API call responses for Dynamic App Services

Fix a bug where migration mode didn't persist for a tenant in a specific instance

Add Extra Powered On Servers, Shared Users per Servers and Max Shared Users per Server to live scaling details

Add DNS validation to the wildcard certificate testing when provisioning via the new Data Center wizard

### **5.2 Cloud Workspace Tools and Service**

Enable an option to return all VM sizes grouped by VM series

Return all VM sizes available from the hypervisor

Fix to Resource Allocation when calculating App Service Users

Enable option for automatic resource update for CWMGR1  
Include wildcard cert status DataCenterResources Report  
Enable future DNS enhancements  
Bug fix – fix to automatic drive expansions in GCP deployments

## 5.2 REST API

Performance improvements when listing Clients/Users  
Allow support for new Live Scaling features – configuring ExtraPoweredOnServers, SharedUsersPerServer and MaxSharedUsersPerServer  
API now supports the ability to validate wildcard certificate domain when creating new Platform deployments  
New API method available to get User activity data for all Partner Clients

Known issue: When using a the “Active Users” or “User Count” dynamic allocation method for resource pool sizing inside an Azure ARM deployment, the “Computed Resource Per Server” summary incorrectly displays the Machine Size as Basic A series type instead of the correct Standard D series type.

## CWMS 5.2 Minor Release: Thurs., September 27, 2018

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday September 27th, 2018 at 10pm – 11pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

### 5.2 Cloud Workspace Management Suite

Simplify the display of provisioning collection VMs in cache  
Fix a display quirk when managing App Services

### 5.2 Cloud Workspace tools and services

Bug fix for an obscure use case for End User MFA  
Update API to interface with the latest in Azure RM  
Update Testing for Azure RM to use the latest API  
Replace Power User terminology with VDI User  
Update email report to include additional CPU and RAM for a server  
Update the address reports come from – instead of [dcnotifications@independenceit.com](mailto:dcnotifications@independenceit.com) messages will come from [dcnotifications@cloudjumper.com](mailto:dcnotifications@cloudjumper.com)  
Allow definition of Users per server and additional VMs to remain on via Live Scaling  
Performance improvements when starting a stopped SDDC/deployment  
Security enhancement – disallow Partners with multiple SDDCs/deployments from connecting from one to another  
Stability improvement – in the event automation cannot return User count, do not make any changes to resource count  
Minor cosmetic enhancements

## CWMS 5.2 Minor Release: Thurs., September 6, 2018

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday September 6th, 2018 at 10pm – 11pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.



## 5.2 Cloud Workspace Management Suite

Added the ability to search for Sub Partners in the Custom App Catalog  
Fixed a bug where refreshing the screen in the Data Centers module causes an error prompt  
Removing the restriction on max folder name size and making it easier to browse folders  
Ensure that resource counts on VMs are never lower than the minimum specified CPU and RAM values  
Rephrase Power User terminology to VDI User  
Fixed an error where a generic error was displayed despite the back-end process completing successfully  
Improved server name display in Data Center creation wizard  
Fix account expiration not displaying saved expiration date in CWMS

## 5.2 Cloud Workspace tools and services

Fixed a bug with MFA where Users who selected Email sometimes didn't receive a code  
Allow additional CPU and RAM to be entered for User Count resource allocation type  
Fix a bug where the automation engine didn't power all machine types on  
Fixed a timing issue that sometimes would cause cloning servers to err out  
Automate the previously manual installation of a wildcard certificate on FTP server  
Added a process to purge old certificates after updating wildcard certificates  
Resolve an issue where when using Data Enabled Application Services, the X: drive would not always map for an end user.

# CWMS 5.2 General Availability Release: Thurs., August 10, 2018

Components: 5.2 Cloud Workspace Management Suite  
When: Thursday August 10th, 2018 at 10pm Eastern  
Impact: Access to Cloud Workspace desktops and application services for End Users will remain uninterrupted.  
Access to Cloud Workspace Management Suite will remain available.

## 5.2 Cloud Workspace Management Suite

Release web interface components to enable the features found in the overview above

## 5.2 Cloud Workspace tools and services

Release back-end tools to enable the features found in the overview above

## 5.2 REST API

Release API to production to enable the features found in the overview above

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