

Micro Focus Desktop Containers 21.9 Readme

November 2021

The information in this Readme pertains to Micro Focus Desktop Containers, which lets you convert applications that run on Microsoft Windows into self-contained virtual applications.

The following information is included in this Readme:

- ◆ [“What’s New in Version 21.9” on page 1](#)
- ◆ [“Product Documentation” on page 6](#)
- ◆ [“Understanding the Upgrade Requirements” on page 6](#)
- ◆ [“Legal Notices” on page 7](#)

What’s New in Version 21.9

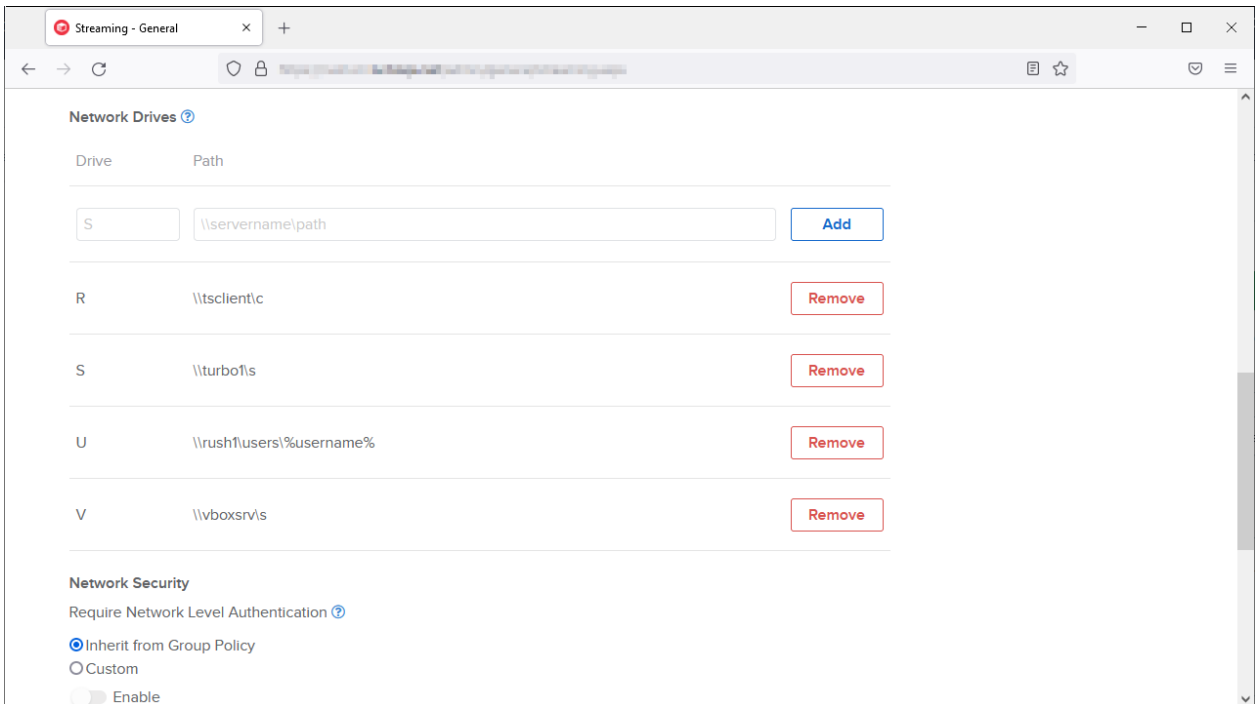
Micro Focus Desktop Containers 21.9 includes the following updates:

- ◆ [“Micro Focus Desktop Containers Server” on page 1](#)
- ◆ [“Micro Focus Desktop Containers Studio” on page 4](#)

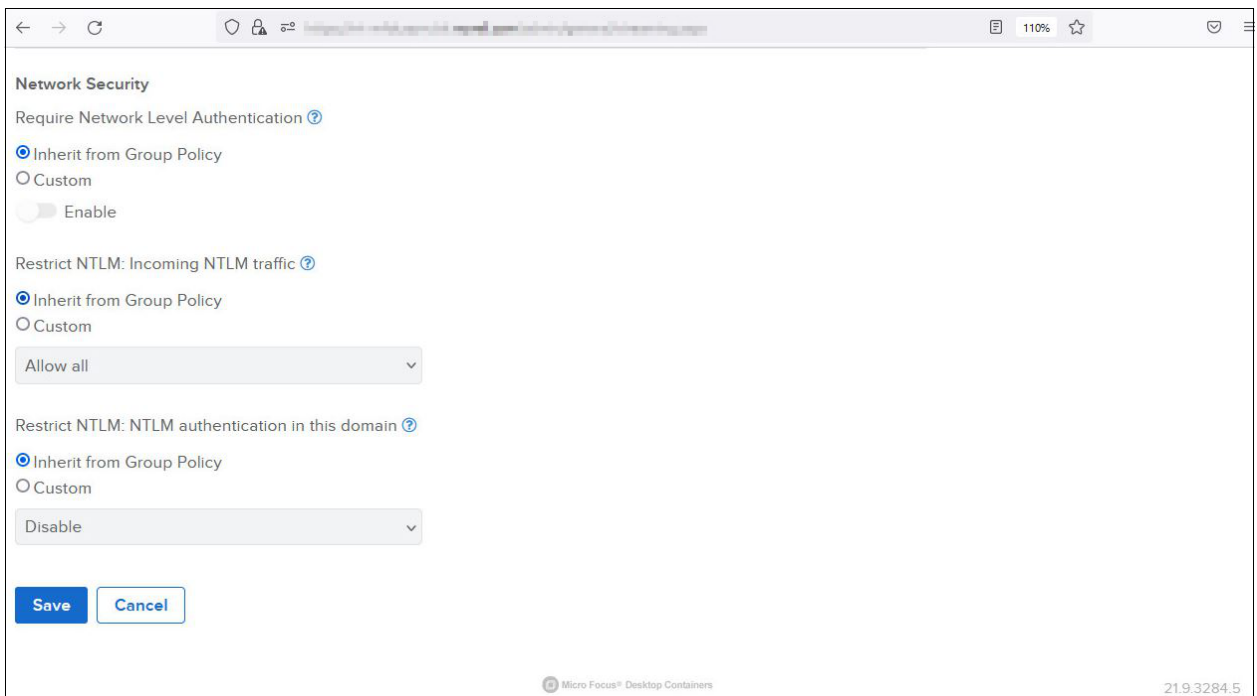
Micro Focus Desktop Containers Server

This release includes several major new features:

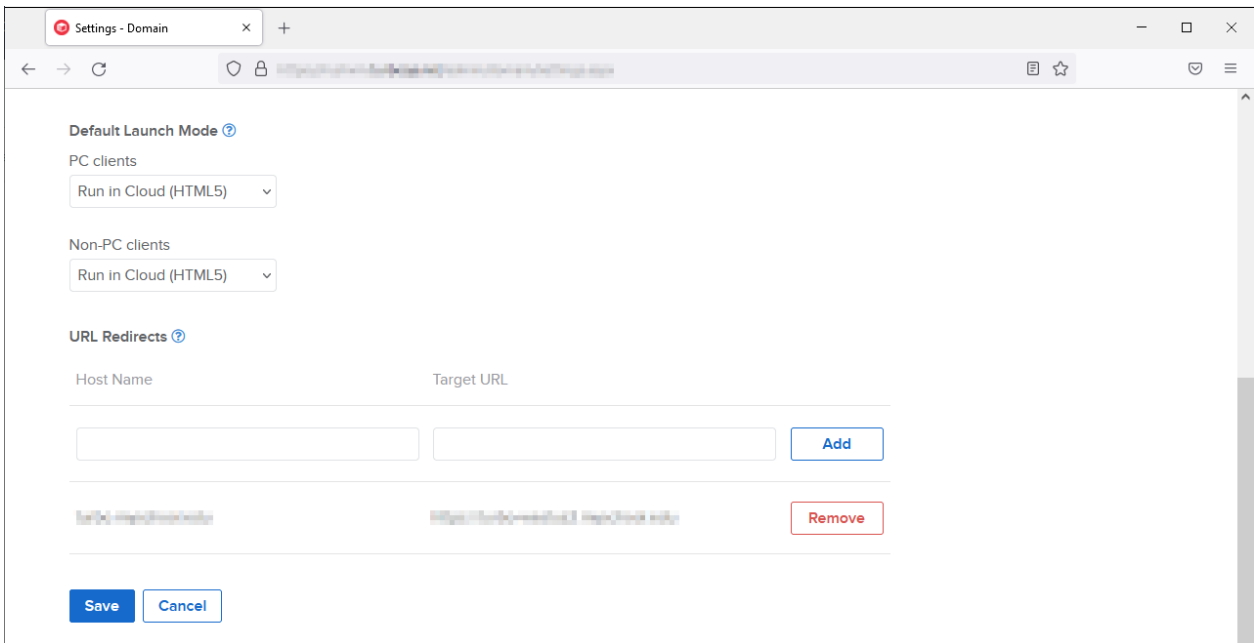
- ◆ Network Drives option allow administrators to automatically map network drives into sessions when streaming remote applications.



- ◆ Network Level Authentication (NLA) and NTLM network security group policies can now be configured for remote application streaming.



- ◆ DNS-based Load Balancing is now supported via URL Redirects configuration. This allows setting up a single URL for DNS load balancers to redirect users to the appropriate Turbo domain.



- ◆ New Synchronize across devices and Sessions are persistent workspace application settings provide improved control over session storage.
- ◆ Microsoft Windows 10 Enterprise Multi-Session (Azure) is now a supported platform.

Other Improvements include:

- ◆ All selection in workspace federation allows federation of all current and future workspaces.
- ◆ Refresh button added to the server Diagnostics Logs table.
- ◆ Improved Status column display for long domain server status messages.
- ◆ Images in the Hub Image Cache are now automatically deleted if the repository's revision is deleted from the Hub.
- ◆ Added Update Cache action that manually updates the Hub Image Cache.
- ◆ Disabling Cache Temporary User Profiles will now immediately delete temporary user profiles after logoff.
- ◆ Reports now include application display names.
- ◆ Notice and Consent dialog can now use Markdown formatting.
- ◆ Added a source repository link to the workspace application settings.
- ◆ Dashboard session details tooltip shows an expiration timer for disconnected sessions.
- ◆ Improved HTML5 client error display when a DRM error occurs.
- ◆ Portal Mac client download links now always download the latest package version.
- ◆ Increased the number of default request threads in the Apache reverse proxy to support larger concurrent loads.
- ◆ Disabled IIS trace logging by default to improve performance.
- ◆ Portal accessibility and support for screen readers, keyboard navigation, and other accessibility software has been improved to conform to Web Content Accessibility Guidelines (WCAG) 2.1.
- ◆ Improved input validation on various administration and Portal site forms.
- ◆ Updated various strings and logs on the Portal and administration sites for improved clarity.

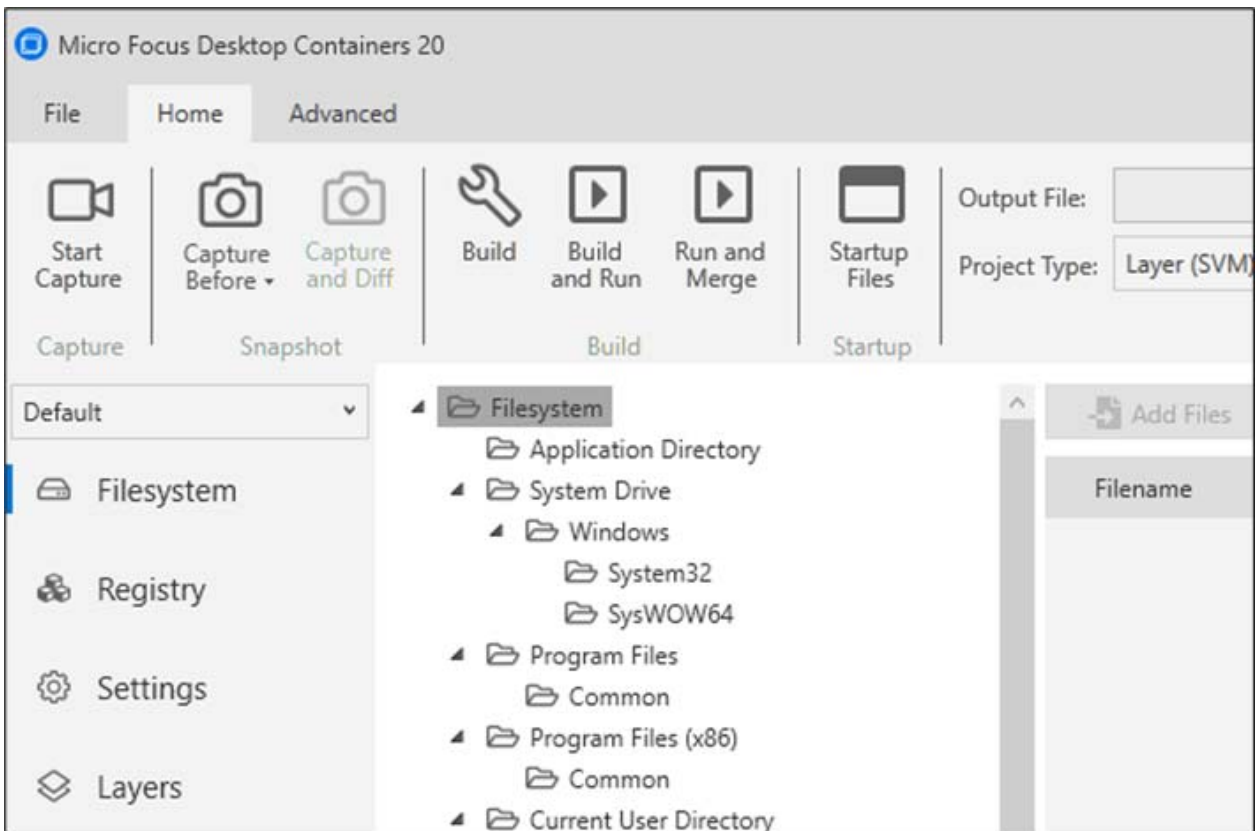
This update includes fixes for the following issues:

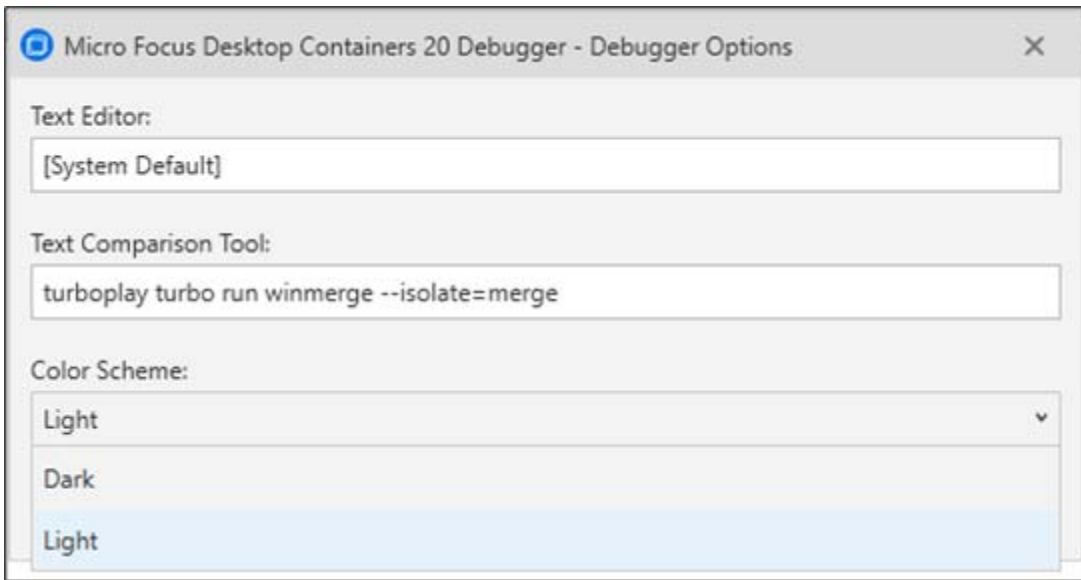
- ◆ Installer does not check the subject alternative name when validating certificates.
- ◆ Federation can fail if the Hub server is configured with a self-signed certificate.
- ◆ Disabling federation for a workspace does not fully disable federation for associated workspace applications and channels.
- ◆ Federation workspaces form can fail to load under certain circumstances.
- ◆ HTTP to HTTPS redirect uses the internal web service root instead of the domain URL.
- ◆ Favicons do not load correctly from certain URLs when adding a web application.
- ◆ Certain dashboard hover styles do not render correctly in Mac Safari.
- ◆ Session event webhook subscriptions can fail in rare circumstances, resulting in missing session tracking for a short time.
- ◆ Certain workspace application setting changes are not applied to users with cached remote sessions until service restart or cache expiration.

Micro Focus Desktop Containers Studio

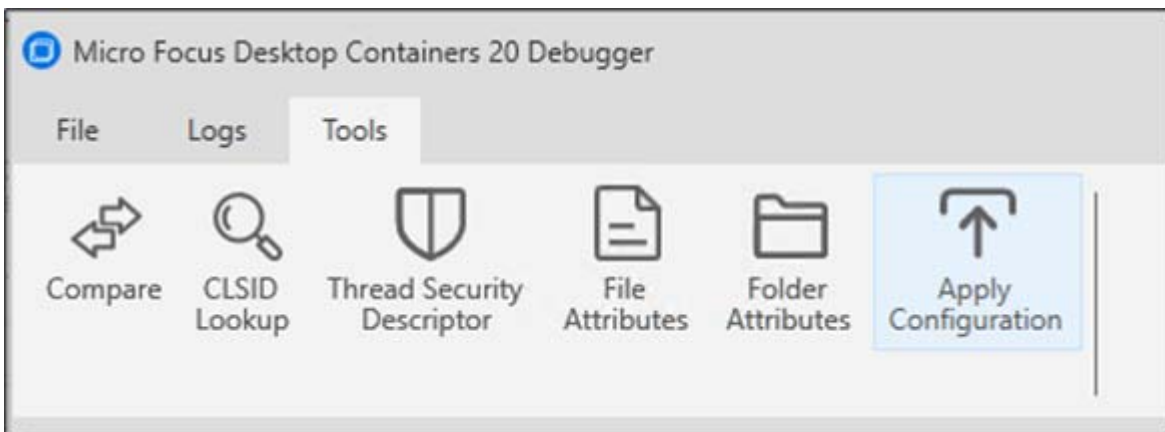
This update to Turbo Studio includes the following new features and improvements:

- ◆ The Turbo VM is updated to version 21.9.1597
- ◆ New! Light color scheme is now available in Studio and Configuration Debugger Tool.





- ◆ New! Factor Configuration tool automatically splits large configurations into launcher and data configurations.
- ◆ New! Apply Configuration debugger tool copies a configuration's contents to the local host for easier troubleshooting.



- ◆ Registry symbolic links are now captured.
- ◆ Add support for v4 .reg file import.
- ◆ Allow removal of layer conditions.
- ◆ Communicate performance consequences of certain virtual machine settings.
- ◆ Improve default process name and path exclusions for Capture and Snapshot.
- ◆ Write version information to XStudio trace logs.
- ◆ Add context menu item on filesystem and registry tree view to copy a node's path.
- ◆ Add context menu item on captured process list to see paths that came from a process.

This update also includes fixes for the following issues:

- ◆ Incompatibility with latest Turbo for Windows client (21.10.2402).

- ◆ Missing calls to DllMain for SxS DLLs when multiple versions are statically linked.
- ◆ NtDeleteValueKey not returning error codes when appropriate.
- ◆ ShutdownProcessTree virtual machine setting for non-standalone executable launches.
- ◆ ChromiumSupport virtual machine setting not maintained when an image is exported.
- ◆ Error in generated layers during Platform Merge.
- ◆ Error when attempting to export a configuration to a location that already contains a Files directory.
- ◆ Studio crash when snapshotting a registry key with a name that illegally contains a newline character.
- ◆ Startup file parameters could be missing necessary spaces after capture or snapshot.
- ◆ Options menu renders incorrectly on systems with a right-handed stylus enabled.
- ◆ Debugger session log view renders incorrectly when multiple logs exist for the same process or when processes are started suspended.
- ◆ Debugger trace resolver tool fails when inputs start with whitespace.
- ◆ Debugger default text comparison tool now uses TurboPlay for progress dialog during image download.
- ◆ Debugger crashes if the default text editor failed to open a file.
- ◆ Debugger Open Containing Folder tab context menu option for session log view.
- ◆ Debugger fails when attempting to open logs already opened for write access by another process.
- ◆ Debugger does not restore default options when removing text editor or text comparison fields.
- ◆ Debugger blocks Explorer window when dragging a log folder into a tab.

Product Documentation

The following sources provide information about Micro Focus Desktop Containers:

- ◆ [Micro Focus Desktop Containers Documentation website](#)
- ◆ [Micro Focus Desktop Containers product page](#)
- ◆ [Turbo.net Documentation page](#)

Understanding the Upgrade Requirements

- ◆ All application configuration documents and application certificates created with ZENworks Application Virtualization 8.x, 9.x, 10.x, and 11.x must be re-created in order for application streams to work with the Micro Focus Desktop Containers standalone components.

To generate a new certificate and regenerate the configuration files:

1. In the Advanced section of the Micro Focus Desktop Containers Studio, click the **App Config** button to regenerate the application stream configuration files.
2. To generate a new site license certificate, click **Advanced**.
3. In the Application Certificates dialog box, click **Request Certificate**.
4. Specify the following information in the fields:
 - ◆ **Organization:** The organization name.
 - ◆ **Unit:** The user or unit name.
 - ◆ **Allowed Portal Hosts:** The allowed host names of the servers from which the application will stream.

5. Click **Request** to request the site license certificate, then save the certificate to a desired location.
 6. Click the **App Config** button to regenerate the application stream configuration files again.
- ♦ ZENworks Application Virtualization (ZAV) versions 8.x, 9.x, 10.x, 11.x and Micro Focus Desktop Containers (MFDC) versions 12.x, 20.x, 21.x always run side by side on a device. The Micro Focus Desktop Containers 21.x installation does not change the ZAV 8.x, 9.x or 10.x, 11.x or MFDC 20.x installations in any way. However, if you open a virtual application and save it in version 21.x, it should not be subsequently used with prior released ZAV or MFDC versions.

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