

Micro Focus Desktop Containers 22.1 Readme

March 2022

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 22.1” on page 1](#)
- ◆ [“Product Documentation” on page 4](#)
- ◆ [“Understanding the Upgrade Requirements” on page 5](#)
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What’s New in Version 22.1

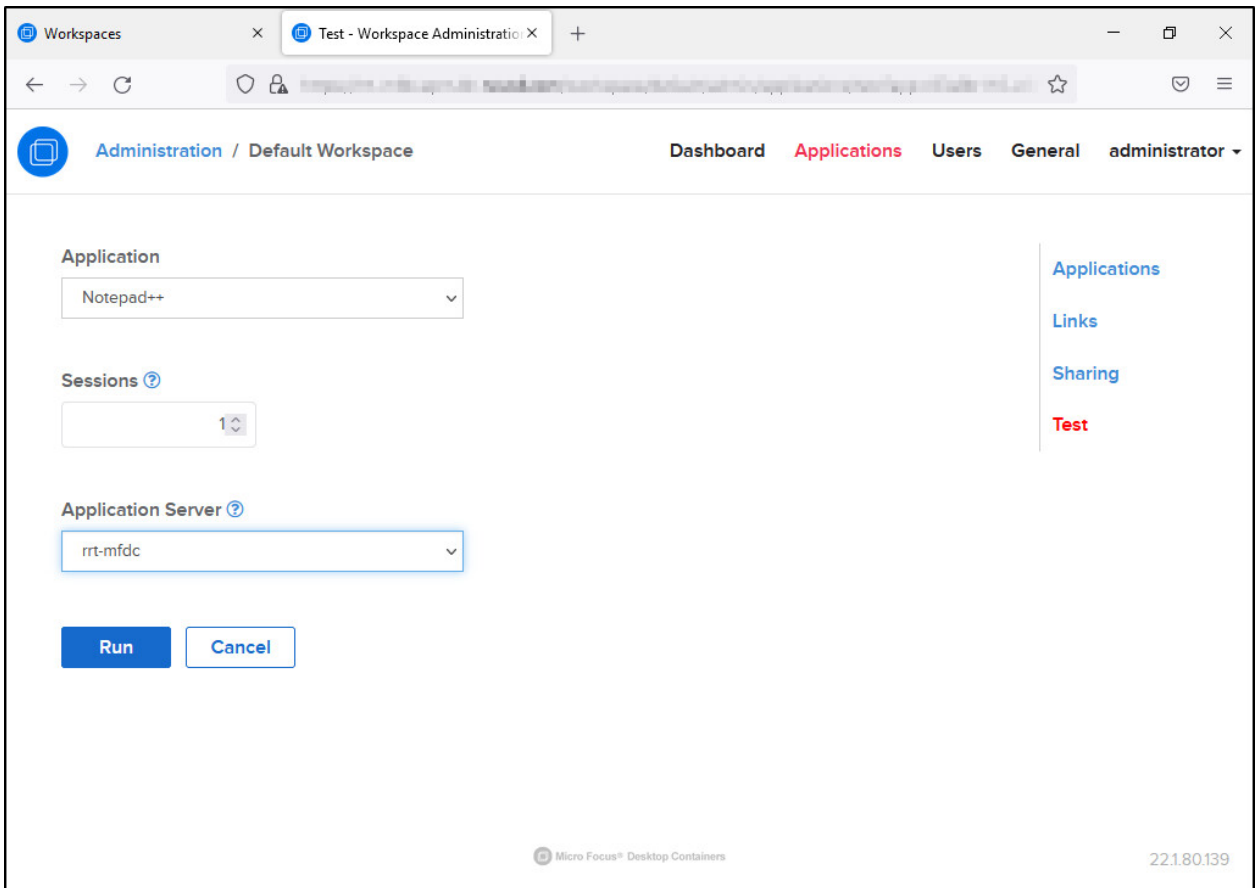
Micro Focus Desktop Containers 22.1 includes the following updates:

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

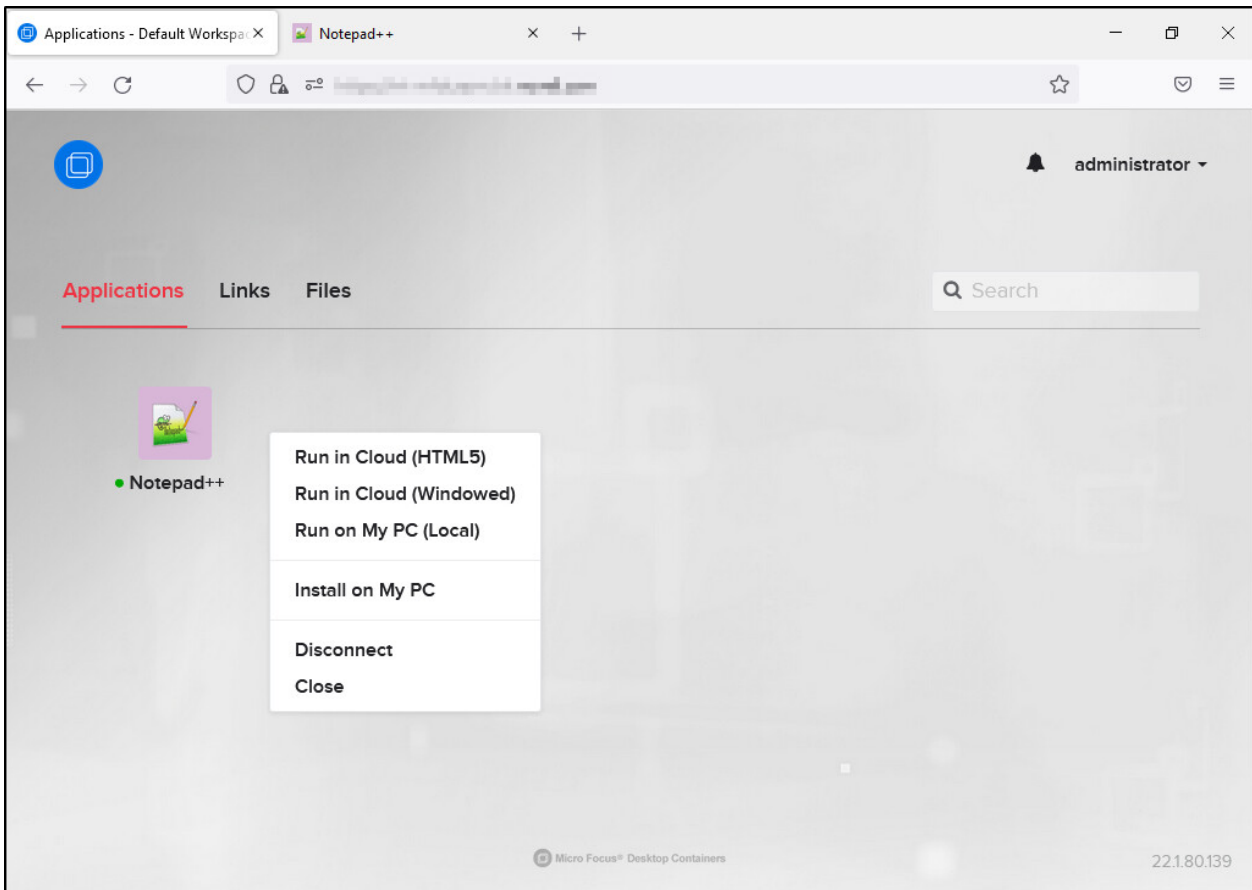
Micro Focus Desktop Containers Server

This release includes several major performance and features enhancements:

- ◆ Application launch times have been dramatically reduced, with launches typically completing in under 3 seconds. Turbo achieves this by pre-configuring a pool of ready-to-use user profiles that are dynamically assigned to a user and application when a launch request arrives.
- ◆ New! Advanced Testing provides integrated load testing by automatically launching a large number of sessions against specific application servers concurrently.



- ◆ New! Disconnect and Close actions have been added to the HTML5 client and Portal dashboard when running remote applications, allowing sessions to be easily transferred between clients without restarts. HTML5 client tab closures now logoff the remote user session by default.



- ◆ Other new features include:
 - ◆ Include Administrator Group setting allows automatic federation of the Administrator group.
 - ◆ Increased password security requirements for internal users.
 - ◆ New Show Password icon has been added to all password inputs.
 - ◆ New Compromised Password setting shows a warning when attempting to set a known breached password on an internal user.
- ◆ Other improvements include:
 - ◆ HTML5 client clipboard control now includes a close button
 - ◆ Turbo Server logs are now automatically archived on service restart
 - ◆ Reduced Turbo Server installer file size
 - ◆ Improved workspace administration navigation on mobile devices
 - ◆ Various text and style changes on the administration sites
 - ◆ Updated Turbo VM to 22.1.9
- ◆ This update includes fixes for the following issues:
 - ◆ Applications launched in rapid succession could fail if synchronization is enabled.
 - ◆ The Domain Sessions graph could display incorrectly for certain data sets.
 - ◆ New dashboard notifications not displayed on the user dashboard under certain circumstances.
 - ◆ The HTML5 client window switcher control could select the wrong window under certain circumstances.

- ◆ Remote application launches using temporary profiles could result in authentication errors due to cache synchronization issues.
- ◆ Some workspace administration web functionality did not support Internet Explorer 11.

Micro Focus Desktop Containers Studio

NOTE: In this release, no changes have been made to Micro Focus Desktop Containers Studio.

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

- ◆ The Turbo VM is updated to version 21.12.1626.2
- ◆ Support for 64-bit variants of Mozilla Firefox.
- ◆ Improve process startup performance.
- ◆ Allow items in editor panel grids to be deleted with the delete key.
- ◆ Notify when a configuration backup is present after a failed save attempt.
- ◆ Allow saving the Debugger workspace (open tabs and documents) between Debugger sessions.
- ◆ Add keyboard shortcuts in Debugger to open session logs (Ctrl+O), close the current tab (Ctrl+F4), and refresh the view (F5).
- ◆ Update Debugger log DLL filters to include calls to LdrUnloadDll and NtCreateFile/NtOpenFile for DLL and EXE files.
- ◆ Allow Debugger Lookup Flags and Compare tool windows to be resized.
- ◆ This update also includes fixes for the following issues:
 - ◆ Fix digital signatures for stub executable files.
 - ◆ Fix xappl file associations.
 - ◆ OpenWith.exe may crash when shell executing files in a container.
 - ◆ Enumeration of Write Copy HKEY_CLASSES_ROOT registry keys can fail.
 - ◆ httpUrlPassthrough setting should disallow access to virtual registry during ShellExecute.
 - ◆ Exit code not returned when waitForChildOnly setting is disabled.
 - ◆ Intermittent git.exe hangs in Visual Studio 2019.
 - ◆ Intermittent hangs during initialization of suspended virtual processes.
 - ◆ Color artifacts visible in Light color scheme.
 - ◆ Error shown when adding a new value to the registry editor panel.
 - ◆ Incorrect default name of Run & Merge configuration files.
 - ◆ Properly environment variables in registry values during Capture or Snapshot.
 - ◆ Debugger log file search queries fail when the search term contains a quote.
 - ◆ Debugger tool windows left open when the main window is closed.

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 versions 8.x, 9.x, 10.x, 11.x and Micro Focus Desktop Containers 12.x always run side by side on a device. The Micro Focus Desktop Containers 12.x installation does not change the ZENworks Application Virtualization 8.x, 9.x or 10.x and 11.x installations in any way. However, if you open a virtual application and save it in version 12.x, it should not be subsequently used with version 8.x, 9.x 10.x or 11.x.

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