

Micro Focus Desktop Containers 21.3 Readme

March 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 21.3” on page 1](#)
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- ♦ [“Understanding the Upgrade Requirements” on page 3](#)
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What’s New in Version 21.3

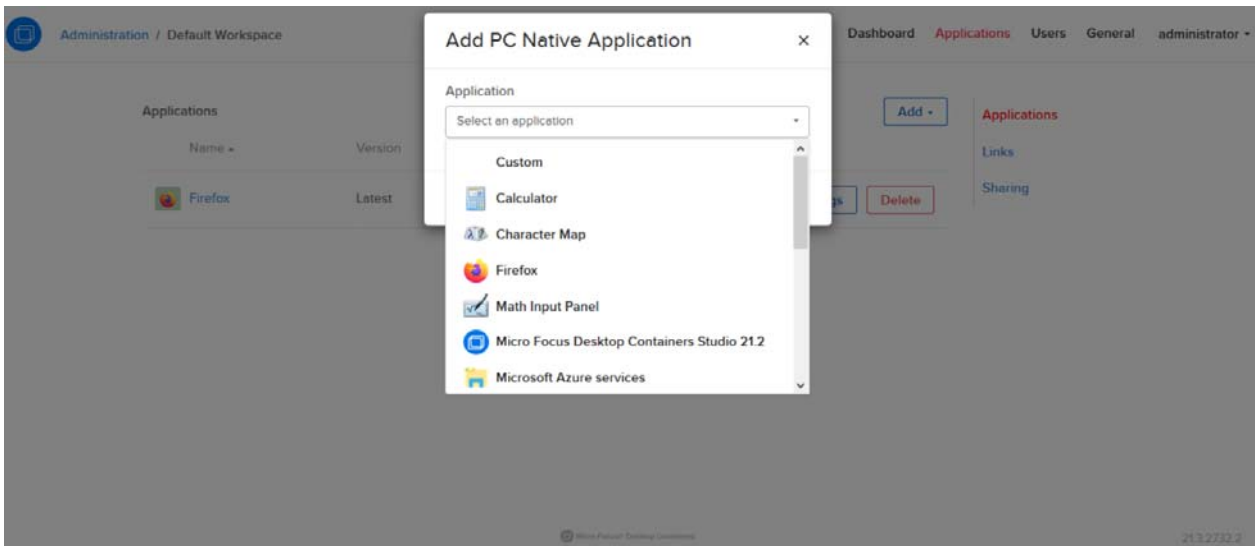
Micro Focus Desktop Containers 21.3 includes the following updates:

- ♦ [“Micro Focus Desktop Containers Server” on page 1](#)
- ♦ [“Micro Focus Desktop Containers Studio” on page 3](#)

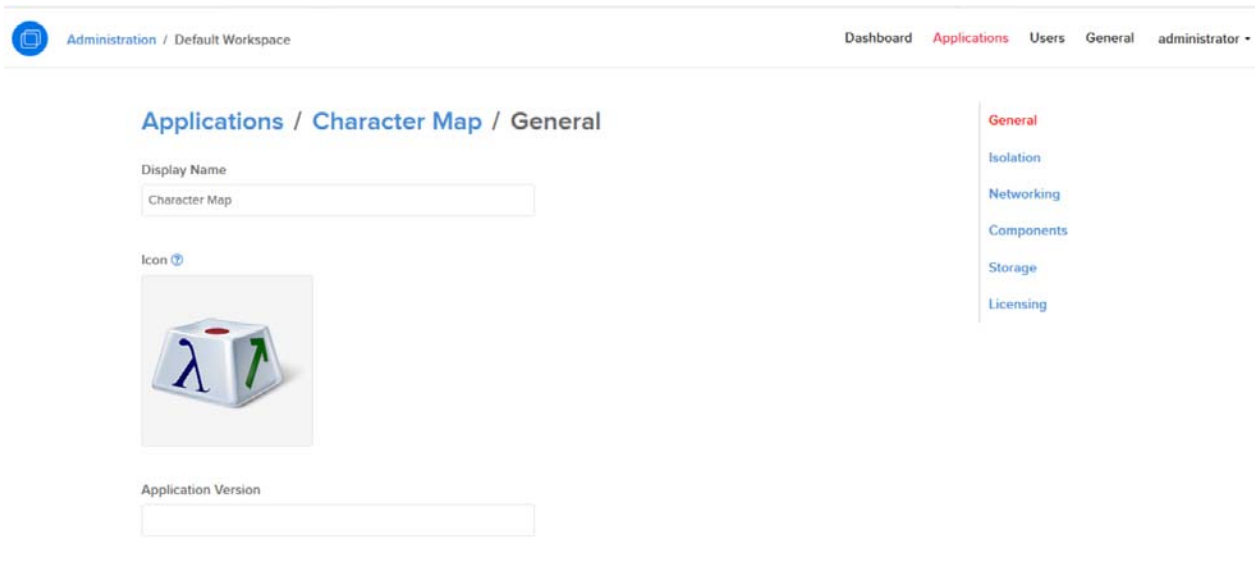
Micro Focus Desktop Containers Server

This release includes the following new features:

- ♦ This release introduces PC Native Applications as a Workspace object type. PC Native Applications launch Windows desktop applications that are installed natively on the application server in a containerized environment.



- ◆ Custom icons can now be configured on all workspace application types from the application settings page.



- ◆ Web Applications have been updated to improve customization and consistency with other application types. Please read our migration guide for information on how to migrate your existing Web Applications: <https://app.turbo.net/docs/server/upgrading/21-3-2732-2-migration-guide>

Other Improvements include:

- ◆ A new Integrations section has been added to the administration site, which contains the Cloud Storage and Learning Tools Interoperability (LTI) integrations.
- ◆ The Directory Service Schema section has been moved to the Directory Service Items page.
- ◆ Portal user sessions recover more quickly after encountering server errors.
- ◆ The Domain URL may now be set from the command line administrative tool.
- ◆ Improved command line administration help text.

- ◆ Improved input and HTML sanitization on the LTI course page and during application installations.
- ◆ Updated various strings and administration site visuals.

This update includes fixes for the following issues:

- ◆ SAML authentication did not automatically assign user group permissions on login.
- ◆ Application licensing error messages did not always display correctly in the HTML5 client.
- ◆ User reports did not properly display the user name for deleted users.
- ◆ Assigning multiple group permissions with the same name could cause the portal dashboard to fail to load.
- ◆ The links on the Workspaces administration page were not using the proper domain URL.

Micro Focus Desktop Containers Studio

This release includes fixes for the following issues:

- ◆ The Turbo VM is updated to version 21.1.1564.
- ◆ Support for Google Chrome 64-bit.
- ◆ Applications with wininet or iertutil static dependencies can crash intermittently.
- ◆ Some Turbo hub operations use Client login rather than Studio login credentials.
- ◆ Shutdown shims or scripts do not run for standalone executables.
- ◆ Startup shims or scripts run for every bootstrap process in a container, not just the first bootstrap process.
- ◆ Startup or shutdown shims cannot use environment variables in their paths.
- ◆ Invalid startup or shutdown script paths are allowed.
- ◆ WaitForChildOnly setting only applies to the last startup process if there are multiple.
- ◆ Publish to Hub server text not updated after login change.
- ◆ Login dialog shows an error if a server URL protocol is not specified.
- ◆ Some valid network names were found to be invalid on IP Restrictions panel.
- ◆ IP Restrictions panel support for IPv6 notation.
- ◆ Studio window can start larger than display on small monitors.
- ◆ Error logs are not persisted and can only be viewed with dbgview tool.

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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