

# Hybrid Workspaces

Hybrid Workspaces enables access to files and applications from remote locations on a desktop, tablet, or mobile device, without compromising security. Reduce the cost and complexity of keeping those applications functioning by using Hybrid Workspaces packaging tool to separate application from operating system.

## Product Highlights

Hybrid Workspaces allows you to embrace the new work from anywhere model that has become a necessity today. Quickly deploy your core business applications to your users that are now working or learning at home or out of the office, often on unmanaged, personally owned equipment. By leveraging a Windows Remote Desktop Services farm and Hybrid Workspaces you can enable a robust, secure desktop application streaming experience on Windows, Mac, iOS, Android, Linux, Chromebook and other platforms with an HTML5 capable browser all at a fraction of the cost of a VDI installation or other alternatives.

Hybrid Workspaces allows you to quickly and intuitively package desktop applications into standalone executables or containers that can be run on any Windows 7+ OS or any device with portal access. These containerized applications can then be deployed via the included web portal, your existing software distribution tool, or even put on a USB stick and handed out. Imagine packaging an older version of a web browser, with the necessary Java and Flash components for your web application in just minutes. Compare that to testing a new server application, deploying the application on the server, retraining your end users and rolling out new components to the end users. With Hybrid Workspaces you can also easily restrict the browser to only interface with the specific application in the data center, protecting your user from known vulnerabilities.

Think how many times access to needed files are emailed or moved from their secure location. With Hybrid Workspaces, you can tap into your existing cloud storage provider, Filr, or map the data directly to the application for secured access.

## Key Benefits

### Application Streaming

The application streaming server provides a simple application portal to any device that gives the user access to their applications and data. No other software distribution solution required. Applications can be easily launched from a desktop, web, or mobile interface and all of the data the user needs to use from that application can be securely made available.

### Multi-Factor Authentication

When using Hybrid Workspaces to deliver the application, leverage Azure AD, OpenID Connect, or SAML 2.0 to provide authentication. Leverage the included NetIQ Advanced Authentication Limited Edition license to immediately increase the security of your application deployments.

### License Enforcement

Restrict how many total or simultaneous users or devices can be accessing the containerized application through the intuitive portal interface.

### Natural End User Interaction

Packaged applications can be as integrated or as isolated as you want them to be. When

## System Requirements

For detailed product specifications and system requirements, visit the [Hybrid Workspaces site](#).

logged into the portal clicking on the application will launch on any platform in a HTML5 browser. If an application is registered with the local desktop, clicking on a registered file type or shortcut launches the packaged application. When using the web browser, users have the ability not only to launch applications directly, but browse the files in their configured data sources and open them directly with associated applications.

### Application Usage Tracking

See who is using an application, from what devices, and for how long.

### Leverage Your Existing Management Solution

Package applications and distribute them with your existing tool to any device running your existing management agent. Hybrid Workspaces can also integrate into your Learning Management System (Canvas, Blackboard, Moodle) to enhance learning structures.

Hybrid Workspaces is a full-service solution for empowering your hybrid workforce. Application Streaming ensures that your users can be productive on their work devices, mobile devices and personal devices whether in the office or on the road. With Hybrid Workspaces you can

quickly and easily package, customize, deploy and update your applications and do so in such a way as to eliminate conflicts and enhance overall security.

Hybrid Workspaces addresses the following challenges

- Provide always available applications regardless of platform
- Provide applications to non-managed devices quickly and easily
- Run packaged applications on non-Windows machines
- Run packaged applications on personal owned devices without leaving data
- Unpredictable user devices—Windows, Mac, iOS, Android, desktops, tablets, mobiles, etc.
- Deliver your core business applications as standalone or portal packages, eliminating conflicts
- Running legacy applications on new Windows operating systems, including Windows 11.
- Provide access to legacy web applications that require NPAPI plug-ins, Java, Flash or other legacy technologies.
- Conflicts between legacy applications running side-by-side with their more modern equivalents
- Testing betas or newly released versions of applications
- Regularly refreshing training rooms or lab environments
- Embed frameworks required by applications, such as .NET, MSCVRT and Java, conflict with other applications or OS
- Planning and testing software packaging and deployment
- Software rollback and contingency plans
- Limit contractors, students, or temporary workers use of applications

## Key Features

Hybrid Workspaces covers these challenges with added benefits by providing functionality to package, customize, deploy, update and stream your applications.

### Hybrid Workspaces Capabilities Include:

#### ALWAYS-AVAILABLE APPLICATIONS

Provides always available applications regardless of platform and moves between devices with session hand-off capabilities.

#### PACKAGE ONCE, PUBLISH EVERYWHERE

Deliver applications everywhere from a single configurable container environment. Freely mitigate between devices and platforms with rich APIs and connectors.

#### ELIMINATE DEVICE IMPACT

Deliver your core business applications through the portal on any device with an HTML5 browser will prevent impacting the personal device or leaving data behind. When run on the local desktop as an isolated application will eliminate OS or device conflicts.

#### MINIMIZE USER MISTAKES

Users selecting erroneous sites can be redirected to a safe place or a secure browser.

#### PROTOCOL, URL, FILE REDIRECTION

When a user selects a protocol, URL or filetype, redirect the system to open the required application.

#### KEEPING DATA ACCESS SECURE

Packaged applications with Hybrid Workspaces integrated with drive mappings or cloud storage providers will provide access to the secured data while working with those files.

#### UPGRADES/DOWNGRADES

Packaging applications will make it easier to upgrade or downgrade the application and seamless for users to know the difference. When using Portable Applications or Hybrid

Workspaces Application Streaming server as your distribution method the user always gets the latest version of the application you make available to them.

#### EXTEND THE LIFE OF LEGACY APPLICATIONS

Packaging applications allows legacy applications to run on new Windows operating systems, including Windows 11. Run side-by-side with their more modern equivalents giving the legacy application longer life until an upgrade plan is set.

#### PREREQUISITES WITHOUT IMPACT

Embed frameworks required by applications, such as .NET, MSCVRT and Java, can be injected into the packaged application not to conflict with other applications or OS.

#### TESTING APPLICATIONS

Greatly reduce the planning and testing process normally associated with software packaging and deployment and speeds up the testing results.

#### REFRESHING ENVIRONMENTS

Environments that need periodic refreshing can be easily reimaged with standard OS and would immediately have access to the applications via running the packaged applications locally or in the portal.

#### MINIMIZE PACKAGING EFFORTS

Easily package many common applications and frameworks by leveraging the Turbo. net Hub repository of pre-packaged applications, customizing for your needs to give you a head start. Embed those frameworks required by applications, such as .NET, MSCVRT and Java, into the application so that you don't need to worry about whether it is present before deploying the application.

#### COMPLIANCE

Customize the packaged applications to comply with software rollback and contingency plans.

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## EXPIRE APPLICATION USE

Make packaged applications with set expiration dates available to contractors, students, or temporary workers.

## Control and Manage the Users Environment

Tighter control exists in the Users environments by registering the device to Hybrid Workspaces, this redirects the request to open in a packaged application required by your organization. The user also can use the Hybrid Workspaces Application Streaming portal to launch the same applications on an HTML5 browser. Configuring protocols, URL's, Domains and file types will control how the device reacts when the application is opened, keeping the user/device safe.

- User clicks on a link that goes to a particular domain or URL or use a particular protocol, they can be redirected to open the isolated application or redirected to a safe packaged browser to open the URL in the cloud.
- User selects to open a file type, the system can be redirected to open a packaged application. If there is a duplicate locally installed application along with a packaged application, the user will be presented with a prompt on which to use.

## Intuitively Manage Your Environments

Hybrid Workspaces Administration portal allows monitoring of Users, Applications and Open Sessions.

## Session Handoff

On the move? Using Hybrid Workspaces allows you to keep the application session running as you move between locations.

## Hybrid Workspaces Packaging Studio

- **Powerful packaging.** Snapshot or Installation Monitoring package methods to make it easy to capture your applications and quickly turn them into isolated containers.

- **Standalone executables.** Package everything a user needs to run the application on any local Windows OS as a single executable, or stream that executable to any OS or platform..
- **Data provisioning.** The application may have supporting data files, configure the applications data location w/in the application for easy access to the needed resources.
- **Scriptable packaging.** Command-line packaging capabilities allowing you to script packaging and publishing of packages to your Hybrid Workspaces Portal.
- **Internal packaging.** Intuitive GUI for internal developers that want to build their own containerized applications manually, instead of traditional PC installers.
- **Portable executables.** Package applications so that the Turbo.net client is included with the application, facilitating application licensing, automatic updates, and sandbox synchronization when used in conjunction with Hybrid Workspaces Application Server.

## Stream

Work from anywhere. Provide containerized applications to any device that has an HTML5 enabled browser or the Turbo.net client (Windows, iOS, Android or Mac platforms).

## Secure Data Access

Configure access to your storage provider automatically mounting a drive through launch of the virtual application or access through the Application Streaming Files Portal. Keeping them at your fingertips yet securely in their native location.

## Load Balancing

Native load balancing to distribute the application load across your Remote Desktop Services farm.

## Cost Effective

Deliver the experience at a fraction of the cost of a full VDI deployment.

## Improved Resource Usage

No need for multiple copies of Windows like VDI. Also through shared memory usage and deduplication scaling is typically higher than a standard VDI or presentation virtualization implementation.

## Education System Integrations

Hybrid Workspaces comes with out-of-the-box integration with Canvas, Blackboard, and other LMS systems to launch course applications instantly on any campus and student device.

## Application Profile Synchronization

Automatically synchronize the change a user makes while in the application so that the changes follow the user from one session to the next. Application profile data follows the user from their local executions to their streamed executions and vice versa ensuring the user always has their custom settings if allowed by the administrator.

## Deploy

### Hybrid Workspaces

Provide a simple application portal to any device that gives the user access to their applications. No other software distribution solution is required.

### Multi-Factor Authentication

When using Hybrid Workspaces to deliver the application, leverage Azure AD or SAML 2.0 to provide authentication. Leverage the included NetIQ Advanced Authentication Limited Edition license to immediately increase the security of your application deployments.

### License Enforcement

Restrict how many total or simultaneous users or devices can be accessing the containerized application.

## Natural End-User Interaction

Containerized applications can be as integrated or as separate as you want them to be. When an application is registered with the local desktop, clicking on a registered file type or shortcut launches the containerized application.

## Application Usage Tracking

See who is using an application, from what devices, and for how long.

## Leverage Your Existing Management Solution

Package applications, provide access to your cloud storage provider, then distribute or stream this collateral with your current deployment tool. Launch them or stream them to any device or platform.

## Multiple Application Instances

Need to run two instances of Firefox but have different version of Java? Simply publish them to your workspace and customize the application settings to use the right version of Java while maintaining only a single Firefox app.

## Runtime Customization

Customize packages to run with different settings on execution from the Hybrid Workspaces Application Streaming server. Need to run two instances of Firefox but have different version of Java? Simply publish them to your workspace and customize the application settings to use the right version of Java while maintaining only a single Firefox app.

## Update

### Simplified Upgrades

When using Portable Applications, Hybrid Workspaces Application Streaming Server or some other distribution method the user always gets the latest version of the application you make available to them.

### Conflict Free

Run multiple versions of the same application or conflicting applications side-by-side.

### Stream

Work from anywhere. Provide containerized applications to any device that has an HTML5-enabled browser or the Turbo.net client (Windows, iOS, Android or Mac).

## Load Balancing

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## Customize and Secure

### Network Security

Build in limitations to your containers to allow the packaged application to only access specific hosts to protect the application and the user.

### Proxy Support

Force all network communication to transmit through an HTTP or SOCKS proxy to further secure the application's communication. Eliminate the need for confusing VPNs by building security into the app.

### Name Redirection

Redirect network names in the application to specific IPs, effectively implementing an embedded HOSTS file for the application.

### Application Expiration

Provide the application to the user for a specified period, and then have it expire on a certain date or after a number of days.

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## Limit Access

Limit containerized application access to members of specific Active Directory groups.

## Isolate

Control the isolation at the application, file or registry key level to limit what the application has access to read from or write to on the host.

## Storage Visibility

Limit the drives that the user can see when they are running the application so that they can save only to desired paths. Add existing network shares and drive mapping to the application.

## T: Drive

Define your corporate cloud storage provider (File, Google Drive, OneDrive, Dropbox) as a mapped drive available in the application so that data can be opened from or saved to that predefined corporate storage location.

## Read-Only Environment

Optionally, prevent users from making any changes to the virtual environment.

Isolate the clipboard. Prevent application data from being copied from the packaged application.

Learn more at

[www.microfocus.com/en-us/products/desktop-containers/overview](http://www.microfocus.com/en-us/products/desktop-containers/overview)