Cloudhouse™
Compatibility · Containers

Compatibility Containers for Windows Server Apps

The Challenge

Every enterprise has to support legacy business-critical three tier applications that often include a heavily customized, or bespoke middle tier application servers. While the database tier is sometimes easier to upgrade to the newest platforms, the middle tier servers are difficult to change and often run on Windows Server 2003 and 2008.

Middleware applications such as Oracle, IBM WebSphere, 4GL, Apache Tomcat or other Java-based systems frequently have custom code that was written 10 or 15 years ago. Other applications were written in-house from scratch. In both cases, knowledge about the code is often lost, and vendors rarely offer upgrade or migration paths for heavily customized off the shelf (COTS) applications. Businesses simply cannot afford the cost or risk the downtime to upgrade the application.

IT is left with three unappealing options:

- Accept the substantial risk and uncertainty of updating the application to run on modern platforms without the original developers.
- Find a replacement for, or redevelop the application completely. Budget and time constraints usually make this an unrealistic option, especially if it blocks a migration or consolidation project.
- Continue running Windows Server 2003/2008. Most organizations end up choosing this option, even though extended support for Server 2003 ended in 2015.

The Solution – Cloudhouse Compatibility Containers

Compatibility Containers free enterprises from running unsupported versions of Windows Server by enabling otherwise incompatible applications to run on the newest, supported versions of WindowsServer, both on premise and in the Cloud.

Features and Benefits

Cloudhouse Containers allow legacy applications that were stuck on Windows Server 2003/ 2008 to run without code changes on Windows Server 2012 or 2016. Even applications that are dependent on custom Java code tied to older versions of middleware platforms can be 'containerized' to run on the latest platforms, whether they're deployed on-premise or in the cloud. Applications only need to be packaged once in Containers that provide the required redirections, isolation, and run-times to enable deployment to the latest operating systems.

Key Benefits

Future Proof

- Modernize App Infrastructure
- Migrate Server 2003/2008 apps to Server 2016 without code changes
- Keep Windows 'Evergreen', and future-proof for Windows as a Service
- Live migration

Reduce Risk and Cost

- Stop paying for Custom Support Agreements (CSA)
- Eliminate unsupported versions of Windows Server
- Reduce exposure to security vulnerabilities and improve compliance

Seamless Cloud Deployment

- Consolidate Data Centers to the Cloud
- Run on Azure, or AWS without code changes
- Avoid cloud lock-in

Microsoft Azure Certified

CITRIX Ready

Modernize Application Infrastructure

Are some of your three-tier applications tied to older middleware platforms stuck on Windows Server 2003? Do you have a plan to rewrite and certify the applications for the latest platforms, or have the developers long since moved on? How many of your applications will work with the next version of Windows Server? These challenges make it impossible to maintain an 'evergreen' IT infrastructure.

With Cloudhouse, your applications can keep up with Windows Server releases. Legacy three-tier applications can run on Server 2012 or 2016 without any changes to the application or how users work. Application servers built on platforms such as WebSphere or Tomcat ten or more years ago can easily be migrated to the latest platforms without requiring any changes or repackaging.

Cloudhouse lets you modernize your application infrastructurequickly, with live migration of legacy applications to modern Windows platforms. With Cloudhouse, you can adopt an 'evergreen' IT approach so your infrastructure is always up-to-date, even when you have some applications that can't be modernized today. It also future-proofs your applications for compatibility with the cloud and Windows-as-a-Service.

Reduce Risk and Cost

Are you under pressure to phase out unsupported platforms such as Server 2003 to reduce security risks? Running unsupported platforms exposes organizations to significant security and compliance risks - not to mention materially higher operational costs. Because Server 2003 is no longer actively patched or supported, it is especially vulnerable to malware, ransomware, and other security risks.

With Cloudhouse, you can eliminate Server 2003 entirely and migrate applications to the newest platforms – even if they aren't supported or have custom code tied to older software. By retiring older platforms, you reduce security vulnerabilities and compliance risks. This also helps eliminate costly Customer Support Agreements and further reduces operating costs by consolidate server infrastructure.

Seamless Cloud Deployment

Deploying applications onto new operating systems almost alwaysrequires repackaging and retesting the application - a process that can take packaging teams hours or days. Moving existing applications to the cloud is often viewed as an impossibility.

With Cloudhouse Containers, cloud migration becomes possible. Existing datacenters can be consolidated to the cloud, even if they are running legacy applications. Server applications only need to be 'containerized' (or packaged) once. The Cloudhouse redirection and isolation engine ensures that applications can then be deployed to the latest, supported Windows whether they're running on premise or in the cloud. When the time comes, any Windows Server application, no matter how old, can be deployed in Azure, Amazon or any other public or private cloud without any code changes. Cloudhouse Containers are also portable across clouds, so you're never locked in to one cloud platform.

Assured Application Compatibility

Application virtualization solutions such as App-V and ThinAppsimplify deployment and address some application-to-application conflicts, but don't offer any capabilities to eliminate application-to-platform compatibility issues. That can also block companies from moving applications to the cloud, where only newer platforms are typically supported.

With Cloudhouse, applications only need to be packaged once for any Windows OS or cloud. Thanks to Cloudhouse's unique application compatibility, redirection and runtime isolation, applications with conflicting requirements or outdated Server 2003 applications can run safely on the latest platforms without conflict. Legacy applications work as though they are installed natively with no changes to the client or database tier.

Cloudhouse Containers are designed to work in conjunction with the following technologies: Microsoft Active Directory and Group Policies, Microsoft System Center Configuration Manager, App-V.

Key Benefits

Assured App Compatibility

- Package once in a Container, run anywhere on any Windows OS or cloud
- App compatibility, redirection and isolation for Server 2003 apps
- No changes to client or database tier needed

Migrate Physical/Virtual Windows Server 2003 and Server 2008 to

- Physical Windows Server 2012 R2 or 2016
- Windows Server 2012 R2 or 2016 on Hyper-V, vSphere, XenServer
- AWS or Azure instances of Windows Server 2012 R2, 2016

Migrate from Cloud Vendor A to

- To Cloud Vendor B

Microsoft Azure Certified

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For more information visit

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