Windows Embedded Server

Windows Server 2008 R2

→ Windows Server 2008 R2 for Embedded Systems, with its virtualization, management technologies and a smaller footprint, is a higly robust and reliable foundation on which to deliver dedicated solutions and appliances. Visit www.windowsembedded.com/server.

A **high confidence platform** yields greater efficiencies across the board

Imagine developing a world-class server appliance. One that easily integrates with an existing enterprise, and helps manufacturers deliver solutions with increased flexibility and reliability. Windows Embedded Server makes it possible in three ways:

Flexibility

The platform's **Server Core** installation option allows manufacturers to start with a smaller footprint and choose features for inclusion. Server Core also supports more server roles, including .NET Application.

Efficiency

Enhanced power-saving features like **Core Parking** automatically adjust processor output to meet demand. This new balanced power policy can lower consumption and reduce an appliance's carbon footprint.

Security

Windows Embedded Server improves system integrity with with advanced security features like **Read-Only Domain Controller** (RODC), and **BitLocker™,** which can be centrally managed and consistently deployed through Active Directory.

10 YEARS

Windows Embedded products are covered by an industry leading 10-year support program ***plus a product availability of 15 years.***

Hyper-V™ and Powershell 2.0—features that deliver **endless possibilities**

With its built-in virtualization technology, Windows Embedded Server helps OEMs increase hardware utilization and support workload isolation.

HYPER-V

The much-anticipated update to Microsoft®'s virtualization technology strengthens virtual machine management and facilitates scaling workloads up to 64 logical processors. It also enables **Live Migration**—a marquee feature that enables nearly instantaneous migrations.

POWERSHELL 2.0

Version 2.0 increases the functionality of this popular command-let scripting tool with more than 240 new pre-built cmdlets as well as a new GUI that adds professional-level development features for creating new cmdlets.

Windows Connected

With Windows Embedded Server, connecting an appliance to other devices and services has never been easier.

- **Agile VPN** provides uninterrupted connectivity for smart, connected and service oriented solutions.
- **Direct Access** empowers corporations to configure a secure path between remote devices and centralized data without VPN authentication.
- **Failover clustering** has been upgraded in R2, making it easier for your embedded servers and devices to stay connected.

→ Learn more about the Windows Embedded family at **www.windowsembedded.com**

Microsoft

Windows Embedded Server
Features at a Glance

High-Confidence Platform

Server Core

- Allows OEMs to optimize footprint by installing a subset of the OS
- Supports more server roles, such as .NET application
- Reduces the attack surface

Core Parking

- Cores that are not being fully utilized can be put into sleep mode until their silicon muscle is required
- If workloads suddenly increase, reserve CPU power can be spun up in milliseconds

BitLocker

- Encrypt removable drives, such as eSATA hard disks, USB hard disks, USB thumb drivers, or flash drives
- Active Directory centralizes the consistent deployment of the BitLocker feature

Read-Only Domain Controller

- (RODC) improves security of Embedded Servers and improves data integrity

Endless Possibilities

Virtualization

- Increase hardware utilization
- Run new and legacy functionality side-by-side while ensuring workload isolation
- Run Windows and other operating systems on the same hardware

Hyper-V™

- Augments existing virtual machine management
- Enables Live Migration—which allows for nearly instantaneous migrations
- Migration operations become invisible to connected users

PowerShell 2.0

- Now includes more than 240 new pre-built cmdlets
- New graphical user interface (GUI) adds professional-level development features for creating new cmdlets
- These new features help the OEM use or author their command line scripts for greater efficiency

Windows Connected

Agile VPN

- Allows a VPN to have multiple paths between points in the VPN tunnel
- In the event of failure, Agile VPN automatically uses another network path to maintain the existing VPN tunnel, without interruption of connectivity

Direct Access

- Configure a secure communication path between remote devices and centralized data in headquarters, without going through VPN authentication

High Availability

- Improved failover clustering
- Improvements in cluster node connectivity fault tolerance
- Improved network resiliency between cluster nodes

→ Get started today!
Go to www.windowsembedded.com/downloads to try an evaluation version of the complete product

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