



IBM Virtual Desktop for Smart Business V2.1.0 - including VERDE from Virtual Bridges - provides an end-to-end desktop management solution for supporting a virtual desktop infrastructure

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At a glance

IBM® Virtual Desktop for Smart Business V2.1.0 brings new life to virtual desktop infrastructure to improve organizational agility, lower business risks, and decrease total cost of ownership.

Virtual Desktop for Smart Business - including Virtual Enterprise Remote Desktop Environment (VERDE) from Virtual Bridges - provides an end-to-end desktop management solution combining virtual desktop infrastructure (VDI), integrated offline VDI (for disconnected and mobile use), and remote branch support. It offers availability to personal PC desktops anywhere, anyhow, and includes the capabilities to:

- Rapidly install and deploy Windows® and Linux® virtual desktops on a single server with the option to expand as required
- Access the desktop image from a variety of end-user devices such as iPad, thin clients, old desktops, Netbooks, and laptops
- Deliver integrated offline VDI and branch VDI to remote users
- Easily configure and manage the virtual desktop environment
- Monitor and manage the VDI environment autonomically (self-configuring, self-updating, self-protecting, self-diagnosing, self-healing)
- Back up and recover virtual desktops easily and seamlessly

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL.

Reference: YE001

Overview

IBM Virtual Desktop for Smart Business V2.1.0, with Virtual Enterprise Remote Desktop Environment (VERDE) from Virtual Bridges, allows access to a PC desktop from anywhere, using a wide range of devices.

Virtual Desktop for Smart Business offers a fresh alternative to virtual desktop infrastructure (VDI) - bringing the power of virtual computing to your desktop, without the hassle. It provides an end-to-end virtual desktop infrastructure and management solution that combines online, offline, and remote branch VDI

solutions to remove the complexity and cost traditionally associated with desktop virtualization solutions.

Key features of Virtual Desktop for Smart Business include:

- Anytime, anywhere access to PC desktop
- Choice of end-user device and protocols
- Native PC experience
- Unified management and reporting through a single console

Key benefits of Virtual Desktop or Smart Business include:

- For the IT administrator:
 - The solution comes preconfigured and installs quickly.
 - The solution is secure and reliable.
 - The environment is efficient to administer, support, manage, migrate, and upgrade.
- For the end user:
 - The solution provides their native PC experience anytime, anywhere, accessed via their choice of a wide range of devices.
- For the CEO and CIO:
 - The solution increases organizational agility and productivity.
 - The solution reduces total cost of ownership, and lower business and IT risk.
 - The solution reduces the management burden from remote branch offices and locations.

Virtual Desktop for Smart Business is built on IBM's Smart Business technology. IBM Solutions for Smart Business are a new family of offerings designed for organizations with limited IT staff that want to take advantage of specialized IT business solutions, without the complexity or hassle of traditional technology packages. Each solution delivers quicker time to value through:

- A ready-to-run package with usage-based, subscription pricing
- The ability to stretch existing IT investments with on-premises and cloud options
- A reduction in the time and skill strain on in-house IT staff
- Autonomic features for an environment that is self-configuring, self-managing, self-protecting, and self-healing
- Fully automated backup and recovery to protect against unplanned outages from minor incidents to catastrophic failures

Key prerequisites

Refer to the [Hardware requirements](#) section for details.

Planned availability date

December 17, 2010: Electronic availability

January 14, 2011: Media availability

Product positioning

The traditional approach to virtual desktop infrastructure (VDI) offered by VMware and Citrix is too expensive, too static, and lacks the range of functionality required for today's dynamic desktop.

IBM Virtual Desktop for Smart Business provides an end-to-end desktop management solution combining VDI, integrated offline VDI (using the integrated client-side hypervisor), and remote branch solutions at an aggressive price point. Ideal for companies of all sizes, the solution can be deployed as a single-server configuration, and scale to multiple servers.

The solution combines VDI technology with stateless and personalized dynamic sessions, integrated offline VDI (for disconnected and mobile use) and remote branch support. Its open architecture provides flexibility and choice by supporting virtual Windows XP and Windows 7), Linux (Ubuntu, Red Hat, Novell) desktops, and a variety of storage, directory, peripherals, and remote display protocols.

Availability of national languages

Product description	Language	GA date
VirtualDesktop SmartBusiness v2.1.0	English	January 14, 2011

Program number

Program number	VRM	Program name
5725-C19	2.1.0	IBM Virtual Desktop for Smart Business

Offering Information

Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

Also, visit the Passport Advantage® website

<http://www.ibm.com/software/passportadvantage>

Publications

No publications are shipped with this product.

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

Specified operating environment

Hardware requirements

Supported host platforms for IBM Virtual Desktop for Smart Business:

Visit

<http://www.ibm.com/support/docview.wss?uid=swg21453733>

Supported guest platforms for IBM Virtual Desktop for Smart Business:

- 32-bit and 64-bit Windows XP1 Professional; any service pack Windows XP Home Edition might install and run but is not explicitly supported for server configurations
- 32-bit and 64-bit Microsoft® Windows 7 Professional, Enterprise, and Ultimate editions
- 32-bit (i386) Ubuntu 8.04 LTS Hardy Desktop Linux
- 32-bit (i386) Ubuntu 9.04 LTS Jaunty Desktop Linux
- 32-bit (i386) Ubuntu 10.04 LTS Lucid Desktop Linux
- 32-bit and 64-bit Novell SUSE Linux Enterprise Desktop 11, any service pack
- 32-bit (i386) or 64-bit (x86_64) Red Hat Enterprise Linux 5.4 and 5.5 Workstation, any updates
- 32-bit (i386) or 64-bit (x86_64) CentOS 5.4 and 5.5 any updates

Requirements for processing power, networking, storage, and memory vary by size of installation.

Check if Intel® VT/AMD V is enabled on the server

Make sure that virtualization has been enabled in the BIOS. If you cannot access the BIOS and what to verify that the CPU is VT capable, follow the steps below.

Note that the installation process checks that virtualization is enabled.

First and easiest test - for Intel processors: `egrep flags.*(vmx)* /proc/cpuinfo`

If there are no output results, then the CPU is not VT or AMD-V capable; you cannot run IBM Virtual Desktop for Smart Business on this server.

Note: Even if the chip is capable of running virtualization, that does not mean that functionality has been enabled in the BIOS. To do this, you need to actually load the appropriate KVM module and, if it fails, check the `dmesg` output. The easiest thing to do is to just install IBM Virtual Desktop for Smart Business, run `dmesg`, and check for "kvm: disables in bios" as one of the last messages in the `elog`. If that happens, reboot the system, enter the BIOS setup, and enable virtualization support.

The IBM programs are warranted when used as defined in the specified operating environment. The program and the applicable software accompanying the program are designed to be installed and used in a dedicated system, as specified in the product documentation (or below). Adding any additional software on the server running the program is considered to be outside the specified operating environment. The VERDE and Linux software included in this package are delivered pursuant to the terms of the Virtual Bridges and Novell Licenses.

Software requirements

None.

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Planning information

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support (also referred to as Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available.

Packaging

IBM Virtual Desktop for Smart Business will be distributed via a media package and electronic software distribution (ESD).

IBM Virtual Desktop for Smart Business media package is distributed in one package with the following:

- IBM Virtual Desktop for Smart Business product CDs.
- Soft copy product documentation including README files are included on the product CDs.

The License Information form number for IBM Virtual Desktop for Smart Business is L-JCOK-8AE5B9 .

Security, auditability, and control

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Product information

Licensed function title	Product group	Product category
IBM Virtual Desktop for Smart Business	IBM Foundation for Smart Business	IBM Virtual Desktop for Smart Business
Program name	PID number	Charge unit description
IBM Virtual Desktop for Smart	5725-C19	Per Concurrent

Charge metrics definitions

Concurrent User

Concurrent User is the unit of measure by which this program is licensed. A Concurrent User is a shared user access to the program within or outside of your enterprise. The program may be installed only on one computer or one server. The total number of Concurrent Users simultaneously accessing the program at any moment in time may not exceed the highest number of Concurrent Users authorized by the Proof of Entitlement (PoE). You must have an entitlement for each Concurrent User simultaneously accessing the program or any program component in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

Passport Advantage program licenses

IBM Virtual Desktop for Smart Business

Part description	Part number
IBM Virtual Desktop for Smart Business Virtual Desktop Smart Business Concurrent User Initl Fixed Term Lic+S&S 12Mo	DOHASLL
Virtual Desktop Smart Business Concurrent User Subsq Fixed Term Lic+S&S 12Mo	E0B10LL

Passport Advantage supply

Program name/description	Part number
VirtualDesktop SmartBusiness V2.1.0 IBM Virtual Desktop for Smart Business 2.1 DVD English Media Pack	AH14YEN

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

VirtualDesktop SmartBusiness V2.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Virtual Desktop for Smart Business Concurrent User	IBM Virtual Desktop for Smart Business 2.1 DVD English Media Pack	AH14YEN

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This software license includes Software Subscription and Support (also referred to as Software Maintenance).

License Information form number

Program name	Program number	Form number
IBM Virtual Desktop for Smart Business	5725-C19	L-JCOK-8AE5B9

The program's License Information will be available for review on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the IBM programs are used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

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Volume orders (IVO)

No

Passport Advantage applies

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Usage restriction

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<http://www.ibm.com/software/sla/sladb.nsf>

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Other terms**System i Software Maintenance applies**

No

Educational allowance available

Not applicable.

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Prices

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