



IBM Virtual Desktop for Smart Business V2.2 - including VERDE from Virtual Bridges - provides an end-to-end desktop management solution for supporting a virtual desktop infrastructure

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Overview

IBM® Virtual Desktop for Smart Business V2.2, with Virtual Enterprise Remote Desktop Environment (VERDE) from Virtual Bridges, allows access to a PC desktop from anywhere, using a wide range of devices. VERDE suite includes the following software components: VERDE Core, VERDE Console, VERDE VDI, VERDE LEAF, and VERDE Cloud Branch.

Expanded capabilities in V2.2:

- Simple Protocol for Independent Computing Environments (SPICE) High-def Multi Media Protocol and SPICE client
- Enhanced Active Directory integration using IBM Tivoli® Directory Integrator (TDI)
- Enhanced management console for role and task based provisioning
- Enhanced monitoring and reporting capabilities
- Single sign on for Windows® guests
- Full USB 2.0 peripheral support for integrated offline and online VDI through single user console
- Clustering based scale out specification and support
- Network Attached Storage (NAS) specification and support for external storage
- Additional languages supported: French, German, Italian, Spanish, Brazilian Portuguese, and Chinese simplified and traditional

Key prerequisites

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

Planned availability date

March 29, 2011: Electronic availability

April 22, 2011: Media availability

Description

The expanded capabilities in IBM Virtual Desktop for Smart Business V2.2 offer the following benefits:

- SPICE can provide a seamless user experience for bandwidth-intensive applications, such as multimedia and VoIP, offering a user experience comparable to that of a physical desktop.
- Enhanced Microsoft® Active Directory integration using IBM Tivoli Directory Integrator (TDI) provides synchronization of user information between a Microsoft Active Directory server and Virtual Desktop for Smart Business.
- Enhanced management console for role and task based provisioning, and enhanced monitoring and reporting capabilities helps the IT administrator to manage virtual desktop infrastructures more effectively.
- Single sign on for Windows guests enhances user productivity.
- Full USB 2.0 peripheral support for integrated offline and online VDI through single user console allows end users, in various industries, to use a variety of peripheral devices such as those used in retail stores, banks, and hospitals.
- Multiple server clustering based scale out specification and support allows you to offer virtual desktops to more end users.
- Network Attached Storage (NAS) specification and support for external storage offers a lower cost storage alternative.
- Additional languages supported include French, German, Italian, Spanish, Brazilian Portuguese, and Chinese simplified and Chinese traditional to help IT administrators to manage virtual desktop infrastructure using their native language.

Reference information

Refer to Software Announcement [210-439](#), dated December 14, 2010.

Availability of national languages

Product description	Language	GA date
VirtualDesktop SmartBusiness v2.2.0	Multilingual (French, Chinese - Simplified, Spanish, Portuguese-Brazilian, German, Chinese - Traditional, English, Italian)	April 22, 2011

Program number

Program number	VRM	Program name
5725-C19	2.2.0	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.

Technical information

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 want 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 Licence Information form number for IBM Virtual Desktop for Smart Business is L-RAGA-8D8MK4.

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 Business	5725-C19	Per Concurrent User

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 for Smart Business Concurrent User Annual SW S&S Renewal	E0BQ6LL
Virtual Desktop for Smart Business Concurrent User Initial FT Lic+S&S 12 Mo	D0HASLL
Virtual Desktop for Smart Business Concurrent User Lic + SW S&S 12 Mo	D0IJ3LL
Virtual Desktop for Smart Business Concurrent User SW S&S Reinstate 12 Mo	D0IJ4LL
Virtual Desktop for Smart Business Concurrent User Subsq FT Lic+S&S 12 Mo	E0B10LL

Passport Advantage supply

Program name/description	Part number
VirtualDesktop SmartBusiness v2.2.0 Virtual Desktop for Smart Business 2.2 DVD Media Pack	AH152ML

Multilingual

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 V2.2.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Virtual Desktop for Smart Business FTL Concurrent User	Virtual Desktop for Smart Business 2.2 DVD Media Pack Multilingual	AH152ML

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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-RAGA-8D8MK4

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

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For clarification, note that for programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Usage restriction

Yes. For additional information, refer to the License Information Document that is available on the IBM Software License Agreement website

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

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System i Software Maintenance applies

No

Educational allowance available

Not applicable.

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