



# Asigra v13

## Installation and Support Matrix

### for Asigra Cloud Backup™

\*subject to change without notice

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## Installation Support Matrix

This section shows the platforms **WHERE** different ASIGRA DS-Software products can be installed.

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## Backup & Restore Support Matrix

This section shows **WHAT** different data sources are supported by each ASIGRA DS-Software product for backup and restore.

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**IMPORTANT: READ THIS ENTIRE DOCUMENT BEFORE INSTALLING OR UPGRADING.**

## General Disclaimer and Support Notes

### Asigra support for CentOS and alternative operating systems

There are variants of operating systems that are alternatives to the list that Asigra identifies as officially supported. An example is CentOS. These variants are sometimes derived from a supported distribution's source code that might be destined to become part of a future release of a supported distribution.

Asigra support for a customer-selected alternative operating system distribution is limited to installation or functional issues. Asigra does not provide support for the variant OS itself. In addition, Asigra software uses technologies from various third-party vendors, which might or might not support these alternative operating systems at the same level as Asigra software. All attempts to re-create the customer's scenario at Asigra will be done on an officially supported operating system distribution and third-party vendor software stack.

If Asigra is unable to reproduce the problem, then the customer will be required to perform further diagnostics on their own to isolate the problem up to and including reproducing the problem on a supported operating system distribution and third-party vendor software stack. Further, Asigra at its sole discretion will determine if the root cause of an issue is due to the alternative OS or the Asigra Cloud Backup software and its embedded technologies.

### Vendor Service Packs:

Underlying platform vendors, upon which Asigra's products depend, generally consider their successive service packs to be backward compatible. Asigra, in turn, expects they will not 'break' our products. Asigra will provide limited support for service packs releases, a list which we will document and publish as "Limited Support", in the **Installation and Backup&Restore Support Matrix**, until support is either officially declared or support is declined due to unexpected architectural issues, vendor bugs or incompatibilities. Limited support means Asigra will attempt to reproduce and resolve problems on a fully supported Environment. If the problem can be reproduced in the supported Environment, Asigra will work with partners to resolve the problem and log a bug if appropriate. If the Environment becomes a suspect during the problem resolution process, Asigra will require partners move to a fully supported Environment to further isolate the problem and to proceed with the problem resolution process. "Limited Support" is a temporary state and not expected to exceed 90 days prior to being tested, validated and updated in the **Installation and Backup&Restore Support Matrix**, after the release of the new service pack.

Note: Prior to engaging Asigra for Technical Support, the Service Provider must attempt to reproduce the issue in a supported environment, documented in the current, **Installation and Backup&Restore Support Matrix**, and in compliance with the 5 Step Diagnostics Support policy. Further, the Service Provider should always endeavour to be in compliance with the **Installation and Backup&Restore Support Matrix**.

### Virtualization Support

Asigra is agnostic to the virtualization platforms used to host the solution. Asigra supports on-premise and cloud-based virtualization platforms including, VMware vSphere, Microsoft Hyper-V, Citrix XenServer, KVM, Docker, Amazon AWS, Microsoft Azure, and OpenStack. Asigra supports all Asigra software components executing in virtualized environments on supported operating systems and databases.

### IBM Power i Support

Asigra support for IBM Power i requires the device to be under maintenance and support contract from IBM.

# General Disclaimer and Support Notes

## FreeBSD Support

Asigra support for FreeBSD is limited to Asigra Cloud Backup components, FreeBSD security vulnerabilities, and the FreeBSD components that impact the operation of Asigra software. Asigra support for FreeBSD is available only when Asigra Cloud Backup software is executing on hardware components originally purchased directly from Asigra.

## 32-bit and 64-bit Support

Asigra does **NOT** support installing the following components on 32-bit operating systems:

- FullFeatured DS-Client
- BLM Archiver
- DS-NOC
- DS-System
- DS-Billing
- DS-License Server

Asigra continues to support installing the following components on 32-bit and 64-bit operating systems:

- DS-Mobile Client / DS-Notebook Client (Mac)
- DS-Recovery Tools

Asigra only supports Intel processors for installation.

## Android Support

Handset manufacturers frequently customize the Android operating system shipping with their devices to differentiate themselves in the market. In some instances these customizations interfere with the operation of Asigra's DS-Client for Android. Therefore, in addition to the specific devices identified in this document, Asigra supports DS-Client for Android operating on devices running the original Google Contacts Storage Services for Android 4.4.x, 4.3.x, 4.2.x, 4.1.x, and 4.0.x

## VMware File Level Restore Support

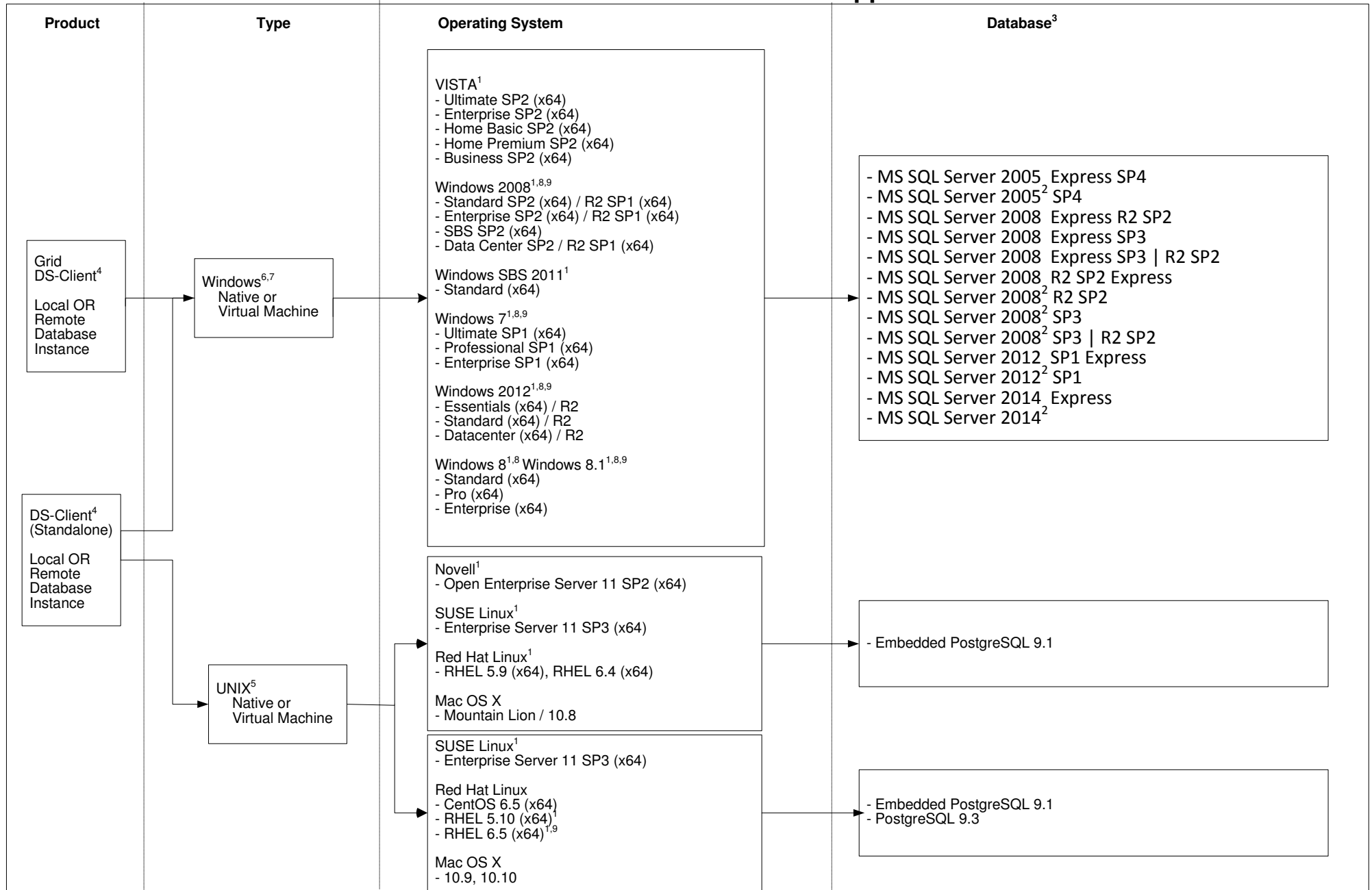
VMware File Level Restore supports the following partition types:

- Empty
- Extended
- NTFS
- Linux
- Linux LVM

The following file system types are supported:

- Ext4
- NTFS

# FullFeatured DS-Client Installation Support v13



<sup>1</sup> Operating system support available for English and German versions

<sup>2</sup> Non-clustered instances of MS SQL Server 2005 / 2008 / 2008 R2 / 2012 / 2014 for standalone DS-Clients; for Grid DS-Clients, clustered MS SQL Server 2005 / 2008 / 2008 R2 / 2012 / 2014 is supported

<sup>3</sup> ASIGRA supports MS SQL Server: 2005 / 2008 / 2008 R2 / 2012 – Enterprise / Standard / Express editions, in English locale.

<sup>4</sup> Only one installation of DS-Client, DS-Mobile Client, or DS-Notebook Client is supported per machine.

<sup>5</sup> Linux/Mac DS-Client installation and upgrade is also supported in console mode.

<sup>6</sup> Salesforce.com plug-in installations are supported on all English operating systems supported by Windows DS-Client.

<sup>7</sup> Google Apps plug-in installations are supported on all English and German operating systems supported by Windows DS-Client.

<sup>8</sup> Office365 plug-in installations are supported on English and German operating systems (Windows 7 and higher) that are supported by Windows DS-Client.

<sup>9</sup> Operating system support available for Simplified Chinese.

**Notes:**

- Java DS-User installation is supported on all platforms on which DS-Client (Windows / Linux / Mac) is supported.

- GUI installation & GUIs on Linux operating systems have been tested with GNOME & KDE Desktop Managers.

## DS-Mobile Client / DS-Notebook Client (Mac) Installation Support v13

Product	Type	Operating System
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">DS-MobileClient<sup>1,5</sup> (Embedded Database)</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Windows Native or Virtual Machine</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>VISTA</b>                      - Ultimate SP2 (x86/x64) - Enterprise SP2 (x86/x64)                      - Home Basic SP2<sup>2</sup> (x86/x64) - Business SP2 (x86/x64) - Home Premium SP2<sup>2</sup> (x86/x64)                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>Windows 2008<sup>6</sup></b>                      - Standard SP2 / R2 SP1 (x86/x64) - Enterprise SP2 (x86/x64)                      - Enterprise R2 SP1 (x64) - Data Center SP2 / R2 SP1 (x64)                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>Windows 7<sup>8</sup></b>                      - Home Basic<sup>2</sup> SP1 (x86/x64) - Home Premium<sup>2</sup> SP1 (x86/x64)                      - Ultimate SP1 (x86/x64) - Enterprise SP1 (x86/x64) - Professional SP1 (x86/x64)                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>Windows 8, 8.1<sup>8</sup></b>                      - Standard (x86/x64), Pro (x86/x64), Enterprise (x86/x64)                 </div> <div style="border: 1px solid black; padding: 5px;"> <b>Windows 2012<sup>6,8</sup></b>                      - Essentials (x64) / R2 - Standard (x64) / R2 - Datacenter (x64) / R2                 </div>
<div style="border: 1px solid black; padding: 5px;">DS-Notebook Client<sup>4,7</sup> (Embedded Database)</div>	<div style="border: 1px solid black; padding: 5px;">Mac</div>	<div style="border: 1px solid black; padding: 5px;"> <b>Mac OS X</b>                      - Mountain Lion / 10.8                      - Mavericks / 10.9                      - Yosemite 10.10<sup>8</sup> </div>

<sup>1</sup> Operating system support available for English and German.

<sup>2</sup> Mass Deployment via Active Directory not supported by Microsoft on these O's

<sup>4</sup> Operating system support available for the English version only.

<sup>5</sup> Only one DS-Client / DS-Mobile Client / DS-Notebook Client installation is supported per machine.

<sup>6</sup> Mass Deployment is not supported.

<sup>7</sup> DS-Notebook Client installation is supported in console mode.

<sup>8</sup> Operating system support available for Simplified Chinese.

**Notes:**

- DS-Mobile User Interface installation is done together with DS-Mobile Client on the same machine.
- DS-Notebook User installation is done together with DS-Notebook Client on the same machine.
- DS-Mobile / DS-Notebook User Interfaces cannot be installed on a separate machine from DS-Client service.

## Android DS-Client & iOS DS-Client Installation Support

Operating System	Device Type	Version / Distribution
<div style="border: 1px solid black; padding: 5px; width: 80px; margin: 0 auto;">iOS</div>	<div style="border: 1px solid black; padding: 5px; width: 200px; margin: 0 auto;">iPhone 4, 4S, 5, 5S, 6, 6+ iPad 2</div>	<div style="border: 1px solid black; padding: 5px; width: 100px; margin: 0 auto;">7.0, 8.0, 8.1</div>
<div style="border: 1px solid black; padding: 5px; width: 80px; margin: 0 auto;">Android</div>	<div style="border: 1px solid black; padding: 5px; width: 200px; margin: 0 auto;">Samsung Galaxy S5, S3, Core, S2 LTE Samsung Tab S 10.5 LG Nexus 5 Google Nexus 7 Huawei P6 S-U06 Huawei P1 LTEU9202L3</div>	<div style="border: 1px solid black; padding: 5px; width: 150px; margin: 0 auto;">4.4.x, 4.3.x, 4.2.x, 4.1.x, 4.0.x</div>

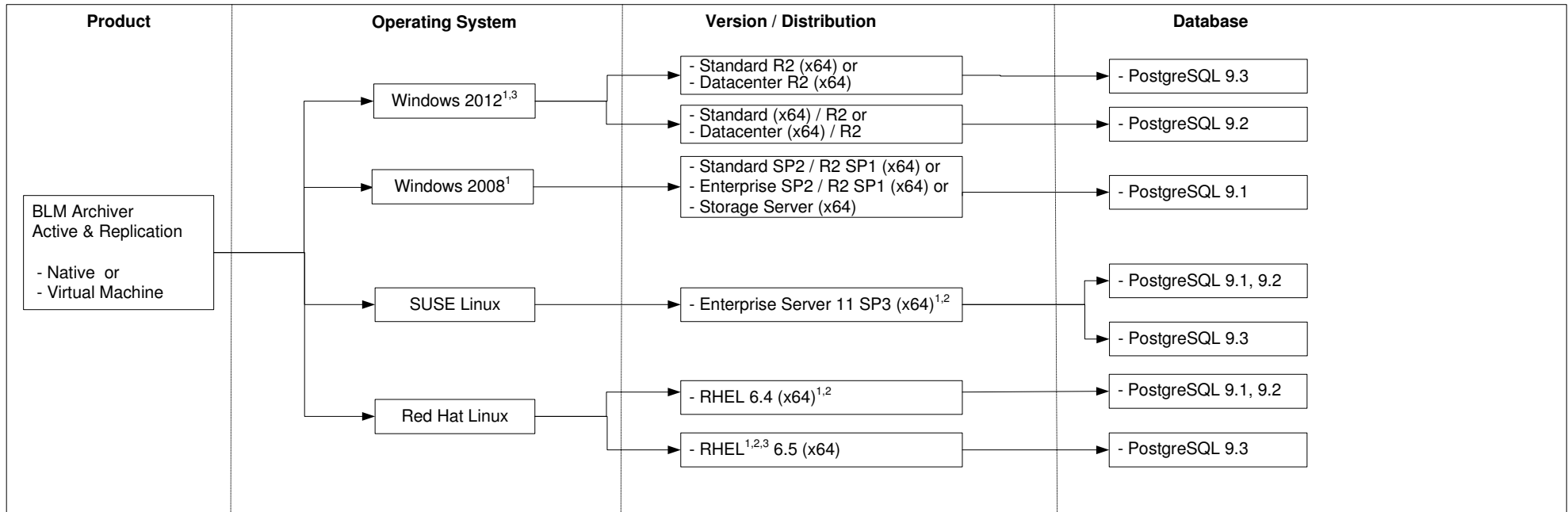
# DS-Recovery Tools Installation Support (32-bit / 64-bit) v13

Product	Operating System
<p>DS-Recovery Tools</p> <p>Native or Virtual Machine</p> <p>- MS Outlook (x86/x64) 2007 / 2010 / 2013</p>	<p>Windows VISTA<sup>1</sup>                      - Ultimate SP2 (x86/x64) - Home Basic SP2 (x86/x64) - Enterprise SP2 (x86/x64) - Home Premium SP2 (x86/x64)                      - Business SP2 (x86/x64)                      Windows 7<sup>1,3</sup>                      - Ultimate SP1 (x86/x64) - Enterprise SP1 (x86/x64) - Professional SP1 (x86/x64)                      Windows 2012<sup>1,3</sup>                      - Essentials (x64) / R2 - Standard (x64) / R2 - Datacenter (x64) / R2                      Windows 8<sup>1,3</sup>                      - Windows 8 (x86/x64) - Pro (x86/x64) - Enterprise (x86/x64)                      Windows 8.1<sup>1,3</sup>                      - Windows 8.1 (x64) - Pro (x64) - Enterprise (x64)</p>
<p>- MS Exchange (x86/x64)<sup>2</sup> 2007 / 2010 / 2013</p>	<p>Windows 2008<sup>1</sup>                      - Standard or Enterprise SP2 (x86/x64) / R2 SP1 (x64) - SBS SP2 (x86/x64) - Data Center SP2 / R2 SP1 (x64)</p> <p>Windows SBS 2011<sup>1</sup>                      - Standard (x64)</p> <p>Windows 2012<sup>1,3</sup> · 2012 R2<sup>1,3</sup>                      - Essentials (x64) - Standard (x64) - Datacenter (x64)</p>
<p>- GroupWise 2012 (x86)</p>	<p>Windows VISTA<sup>1</sup>                      - Ultimate SP2 (x86) - Enterprise SP2 (x86) - Business SP2 (x86)</p> <p>Windows 2008<sup>1</sup>                      - Standard SP2 (x86) - Enterprise SP2 (x86)</p> <p>Windows 7<sup>1</sup>                      - Ultimate SP1 (x86) - Enterprise SP1 (x86) - Professional SP1 (x86)</p> <p>Windows 2012<sup>1</sup>                      - Essentials (x64) / R2 - Standard (x64) / R2 - Datacenter (x64) / R2</p>
<p>- Lotus 8, 8.5 9.01 (x86/x64)</p>	<p>Windows 2008<sup>1</sup>                      - Standard or Enterprise SP2 (x86) or - Standard or Enterprise R2 SP1 (x64)</p> <p>Windows VISTA<sup>1</sup>                      - Enterprise SP2 (x86/x64) or - Business SP2 (x86/x64)</p> <p>Windows 7<sup>1</sup>                      - Professional SP1 (x86/x64) or - Enterprise SP1 (x86/x64)</p> <p>Windows 8<sup>1</sup> 8.1<sup>1</sup>                      - Standard (x64), Pro (x64), Enterprise (x64)</p>
<p>- MS SharePoint 2007<sup>2</sup> (MOSS)                      - MS SharePoint 2007<sup>2</sup> (WSS)</p>	<p>Windows 2008<sup>1</sup>                      - Standard or Enterprise SP2 (x86/x64) / R2 SP1 (x64)</p>
<p>- MS SharePoint 2010<sup>2</sup> (WSS)</p>	<p>Windows 2008<sup>1</sup> - Standard or Enterprise R2 SP1 (x64) or - Data Center R2 SP1 (x64)</p>
<p>- MS SharePoint 2013, 2013SP1</p>	<p>Windows 2008 R2 - Server (x64)                      Windows 2012 / R2 - Server (x64)</p>

<sup>1</sup> Operating system support available for English and German.  
<sup>2</sup> Running on operating systems supported by Microsoft.  
<sup>3</sup> Operating system support available for Simplified Chinese.

**Notes:**  
 - x32 platforms should use the 32-bit DS-Recovery Tools installation.  
 - x64 platforms should use the 32-bit/64-bit DS-Recovery Tools installation.

## BLM Archiver Installation Support v13



<sup>1</sup> Operating system support available for English and German.

<sup>2</sup> Linux BLM Archiver installation and upgrade is supported in console mode.

<sup>3</sup> Operating system support available for Simplified Chinese.

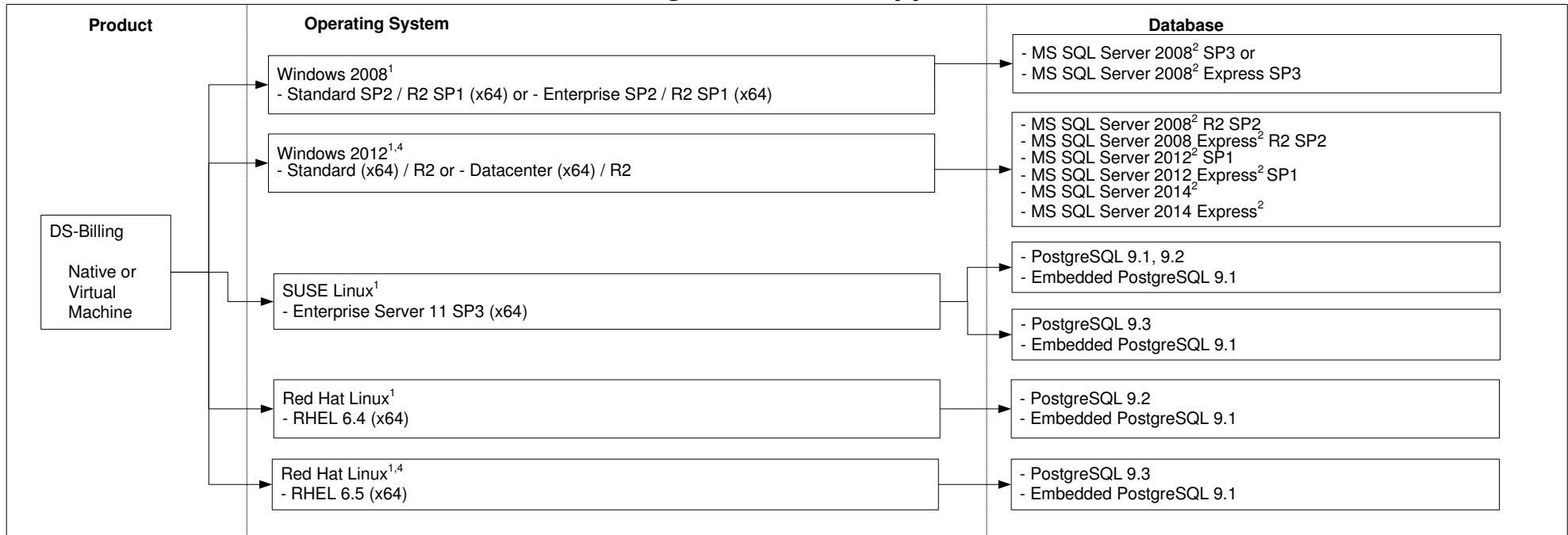
**Notes:**

- Any compatible version of the BLM GUI can be used to connect to a BLM Archiver.
- GUIs on Linux operating systems have been tested with GNOME & KDE Desktop Managers.

## BLM Archiver LTFS and Cloud Support v13



# DS-Billing Installation Support v13



<sup>1</sup> Operating system support available for English and German.

<sup>2</sup> MS SQL Server: 2008 / 2008 R2 / 2012 - Enterprise / Standard / Express standalone editions, in English locale.

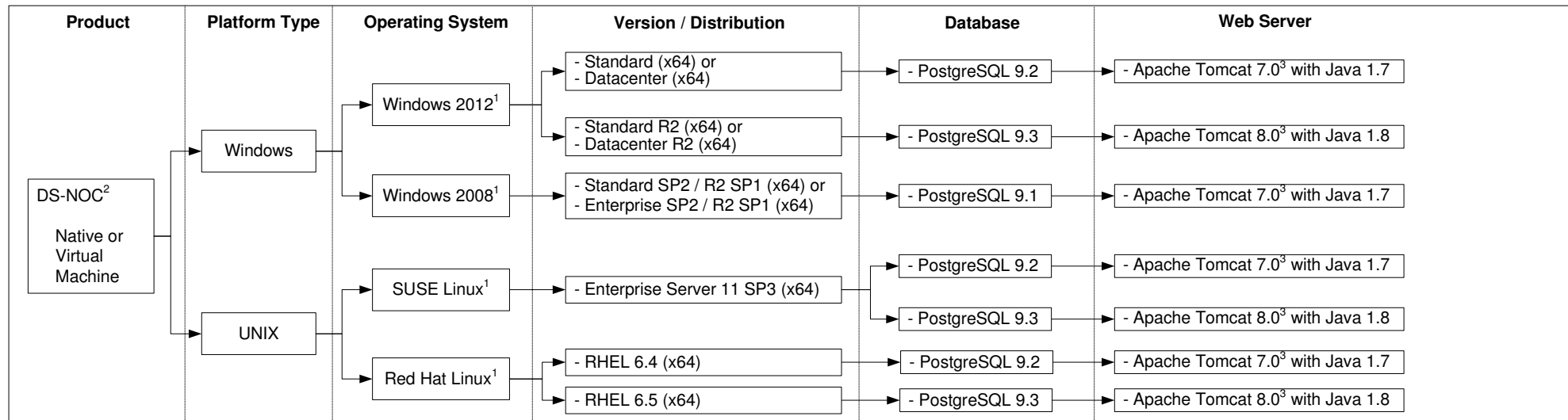
<sup>3</sup> Linux DS-Billing installation and upgrade is supported in console mode.

<sup>4</sup> Operating system support available for Simplified Chinese.

**Notes:**

- Installation supported on Intel processors only.
- 64-bit installations are only supported on 64-bit operating systems.
- DS-Billing GUI-ONLY installation is supported on all x64 platforms where DS-Billing (Windows or Linux) is supported.
- GUIs on Linux operating systems have been tested with GNOME & KDE Desktop Managers.

# DS-NOC Installation Support v13



<sup>1</sup> Operating system support available for English and German.

<sup>2</sup> DS-NOC Web Pages can be accessed using the following browsers: Internet Explorer (9.0 & up),

Firefox (6.0 & up), Opera (11.0 & up), Google Chrome (15.0 & up), and Safari (5.0 & up).

<sup>3</sup> Apache Tomcat in Standalone or Cluster configuration.

**Notes:**

- DS-NOC installation depends on Apache, Java, and PostgreSQL support for x64 and operating system support for x64.

# ASIGRA DS-License Server Installation Support v13

Product	Operating System	Version / Distribution
<b>DS-License Server CLM<sup>1,2,4</sup></b> (Capacity License Model) - Native or - Virtual Machine	Windows 2012	- Standard (x64) / R2 - Datacenter (x64) / R2
	Windows 2008	- Standard SP2 (x64) / R2 SP1 (x64) - Enterprise SP2 (x64) / R2 SP1 (x64)
	SUSE Linux	- Enterprise Server 11 SP3 (x64) - Enterprise Server 11 SP3 (x64)
	Red Hat Linux	- RHEL 5.9 (x64) - RHEL 5.10 (x64) - RHEL 6.4 (x64) - RHEL 6.5 (x64)
<b>DS-License Server RLM<sup>1,2,4</sup></b> (Recovery License Model) - Native or - Virtual Machine	Windows 2012	- Standard (x64) / R2 - Datacenter (x64) / R2
	Red Hat Linux	- RHEL 6.4 (x64), 6.5 (x64)

- <sup>1</sup> DS-License Server is a 64-bit installation that contains 32-bit HASP drivers.  
<sup>2</sup> Operating system support for English installations only.  
<sup>3</sup> Linux DS-License Server installation and upgrade is supported in console mode.  
<sup>4</sup> DS-License Server CLM and DS-License Server RLM cannot be installed on the same machine.

- Notes:**  
 - Installation supported on Intel processors only.  
 - GUI installation & GUIs on Linux operating systems have been tested with GNOME & KDE Desktop Managers.

## DS-System Installation Support v13

Product	Operating System	Version / Distribution	Database	Storage Systems
<b>FullFeatured DS-System</b> <b>Replication DS-System</b> <b>Mobile<sup>6</sup> DS-System</b> - Stand Alone or - N+1 - Native or - Virtual Machine	Windows 2008 <sup>1</sup>	- Standard SP2 / R2 SP1 (x64) or - Enterprise SP2 / R2 SP1 (x64) or - Storage Server (x64)	- MS SQL Server 2008 <sup>3,4</sup> SP3 or - MS SQL Server 2008 Express <sup>2,4</sup> SP3	- Generic Storage - NetApp - NetApp Cluster - Huawei OceanStore - EMC VNX
	Windows 2012 <sup>1,7</sup>	- Standard R2 (x64) or - Datacenter R2 (x64)	- MS SQL Server 2008 <sup>3,4</sup> R2 SP2 or - MS SQL Server 2008 Express <sup>2,4</sup> R2 SP2 - MS SQL Server 2012 <sup>3,4</sup> SP1 or - MS SQL Server 2012 Express <sup>2,4</sup> SP1 - MS SQL Server 2014 <sup>3,4</sup> or - MS SQL Server 2014 Express <sup>2,4</sup>	
	SUSE Linux <sup>1,5</sup>	- Enterprise Server 11 SP3 (x64)	- PostgreSQL 9.1, 9.2 - PostgreSQL 9.3	
	Red Hat Linux <sup>1,5,7</sup>	- RHEL 6.4 (x64) - RHEL 6.5 (x64)	- PostgreSQL 9.1, 9.2 - PostgreSQL 9.3	
	FreeBSD	- FreeBSD 10.1 (x64)	- PostgreSQL 9.3	

- <sup>1</sup> Operating system support available for English and German.  
<sup>2</sup> Installation of the DS-System database on MS SQL Express versions is supported for evaluation only (NOT FOR PRODUCTION).  
<sup>3</sup> Non-clustered instances of MS SQL Server 2005 / 2008 / 2012 / 2014 for standalone DS-Systems. For N+1 DS-Systems, clustered MS SQL Server 2005 / 2008 / 2012 is supported. SQL instances are supported in English locale only.  
<sup>4</sup> MS SQL Server: 2008 / 2008 R2 / 2012 / 2014 (Enterprise / Standard).  
<sup>5</sup> Linux DS-System installation and upgrade is supported in console mode.  
<sup>6</sup> Only supported for DS-License Server CLM, based on licensed capacity type.  
<sup>7</sup> Operating system support available for Simplified Chinese.

- Notes:**  
 - Any compatible version of DS-Operator GUI can be used to connect to a DS-System. DS-Operator is supported on the same x64 platforms (new or upgraded) as DS-System.  
 - GUIs on Linux operating systems have been tested with GNOME & KDE Desktop Managers.

# ASIGRA TOOLS Installation Support (1 of 2) v13

Product	Operating System
Storage and Bandwidth Calculation Tool <sup>1</sup> Native or VM	Windows 2008 - Enterprise SP2 (x64) / R2 SP1 (x64)  Windows 7 - Enterprise SP1 (x64)  Windows 8, 8.1 - Standard (x64), Pro (x64), Enterprise (x64)  Windows 2012 - Standard (x64) / R2 or- Datacenter (x64) / R2
System Information Collector <sup>1</sup> Native or VM	Mac OS X - Mountain Lion 10.8 / Mavericks 10.9 / Yosemite 10.10
DS-Prerequisite for End-Users <sup>2,3</sup> Native or VM	VISTA - Ultimate SP2 (x64) or - Home Basic SP2 (x64) or - Enterprise SP2 (x64) or - Home Premium SP2 (x64) or - Business SP2 (x64)  Windows 7 - Ultimate SP1 (x64) or - Home Premium SP1 (x64) or - Professional SP1 (x64) or - Enterprise SP1 (x64) or  Windows 2008 - Standard SP2 (x64) / R2 SP1 (x64) or - SBS SP2 (x64) or - Enterprise SP2 (x64) / R2 SP1 (x64) or - Data Center SP2 / R2 SP1 (x64)  Windows SBS 2011 - Standard (x64)  Windows 8, 8.1 - Standard (x64), Pro (x64), Enterprise (x64)  Windows 2012 - Standard (x64) / R2 or - Datacenter (x64) / R2
DS-Prerequisite for Service Providers <sup>2,3</sup> Native or VM	SUSE Linux - Enterprise Server 11 SP3 (x64)  Novell - Open Enterprise Server 11 SP2 (x64)  Red Hat Linux - RHEL 5.10 (x64), 6.5 (x64) or CentOS 6.5 (x64)
DS-Mobile Packager & MST Generator <sup>1</sup>	Windows 7 - Professional SP1 (x64) VISTA - Ultimate SP1 / SP2 (x64) Windows 2008 - Data Center R2 SP1 (x64) Windows 8, 8.1 - Standard (x64), Pro (x64), Enterprise (x64) Windows 2012 - Essentials (x64) / R2 or - Standard (x64) / R2 or - Datacenter (x64) / R2

<sup>1</sup> Supported on English operating systems.

<sup>2</sup> Supported on English, German, and Simplified Chinese operating systems.

<sup>3</sup> Supported on x86 (32-bit) operating systems for DS-Mobile clients.

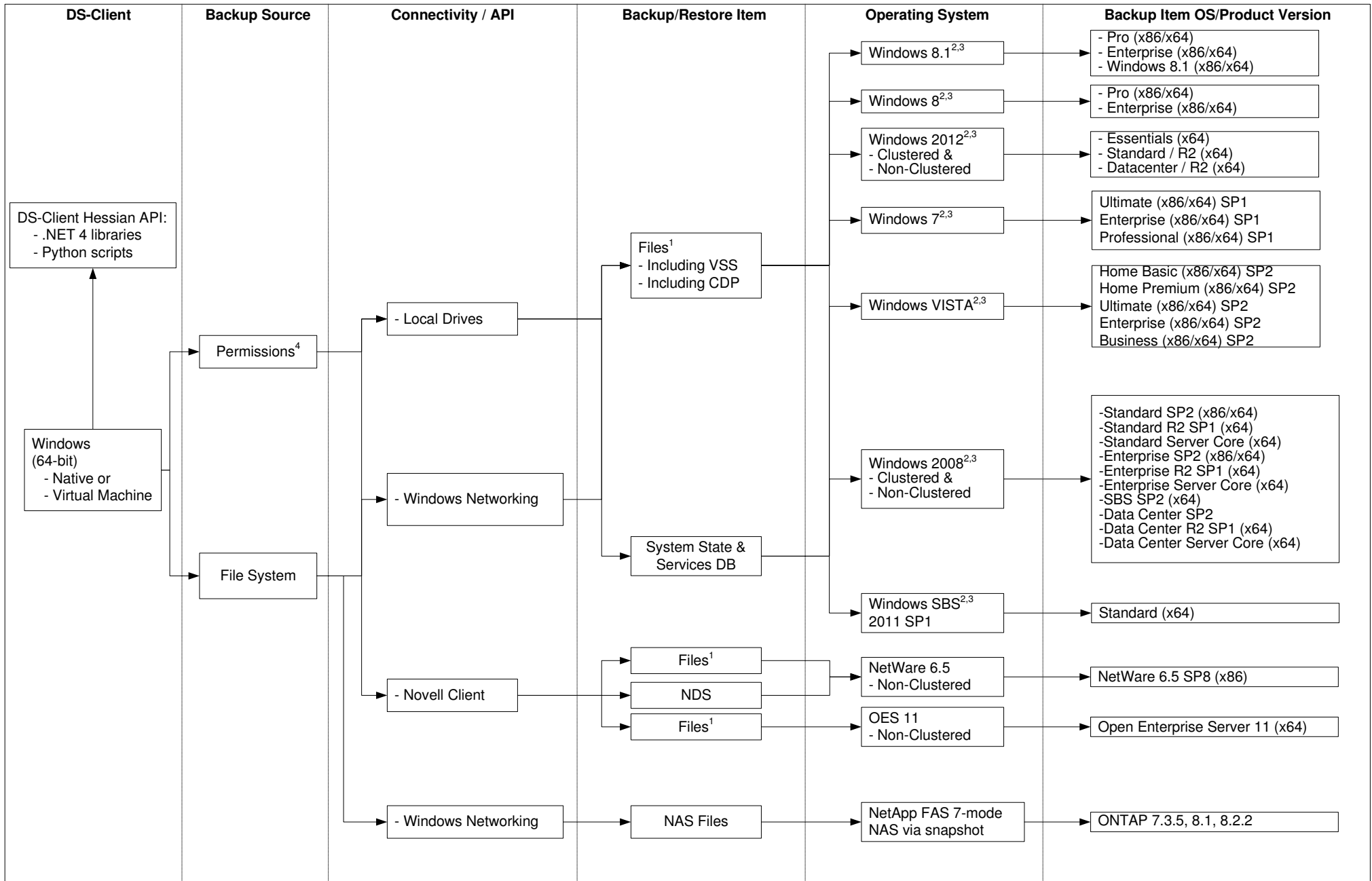
# ASIGRA TOOLS Installation Support (2 of 2) v13

Product	Operating System	
I/O Load Test Tool <sup>2</sup>	<p>Windows 2008 - Standard SP2 / R2 SP1 (x64) or - Enterprise SP2 / R2 SP1 (x64)</p> <p>Windows 2012 - Standard (x64) / R2 or - Datacenter (x64) / R2</p> <p>SUSE Linux - Enterprise Server 11 SP3 (x64)</p> <p>Red Hat Linux - RHEL 5.10 (x64), 6.5 (x64)</p>	
Database Migration Tool <sup>1</sup> Native or VM	<p>Windows 2008 - Standard SP2 / R2 SP1 (x64) or - Enterprise SP2 / R2 SP1 (x64)</p> <p>Windows 2012 - Standard (x64) / R2 or - Datacenter (x64) / R2</p>	
Remote DS-VDR <sup>1</sup> Native or VM	<p>SUSE Linux - Enterprise Server 11 SP3 (x64)</p> <p>Red Hat Linux - RHEL 5.10 (x64), 6.5 (x64)</p>	
Local DS-VDR <sup>1</sup> Native or VM	<p>Windows 2008 - Standard SP2 / R2 SP1 (x64) or - Enterprise SP2 / R2 SP1 (x64)</p> <p>Windows 2012 - Standard (x64) / R2 or - Datacenter (x64) / R2</p>	<p><b>Database</b></p> <p>Local MS SQL 2008 Express R2 SP1 / SP2</p>

<sup>1</sup> Supported on English operating systems.

<sup>2</sup> Supported on English, German, and Simplified Chinese operating systems.

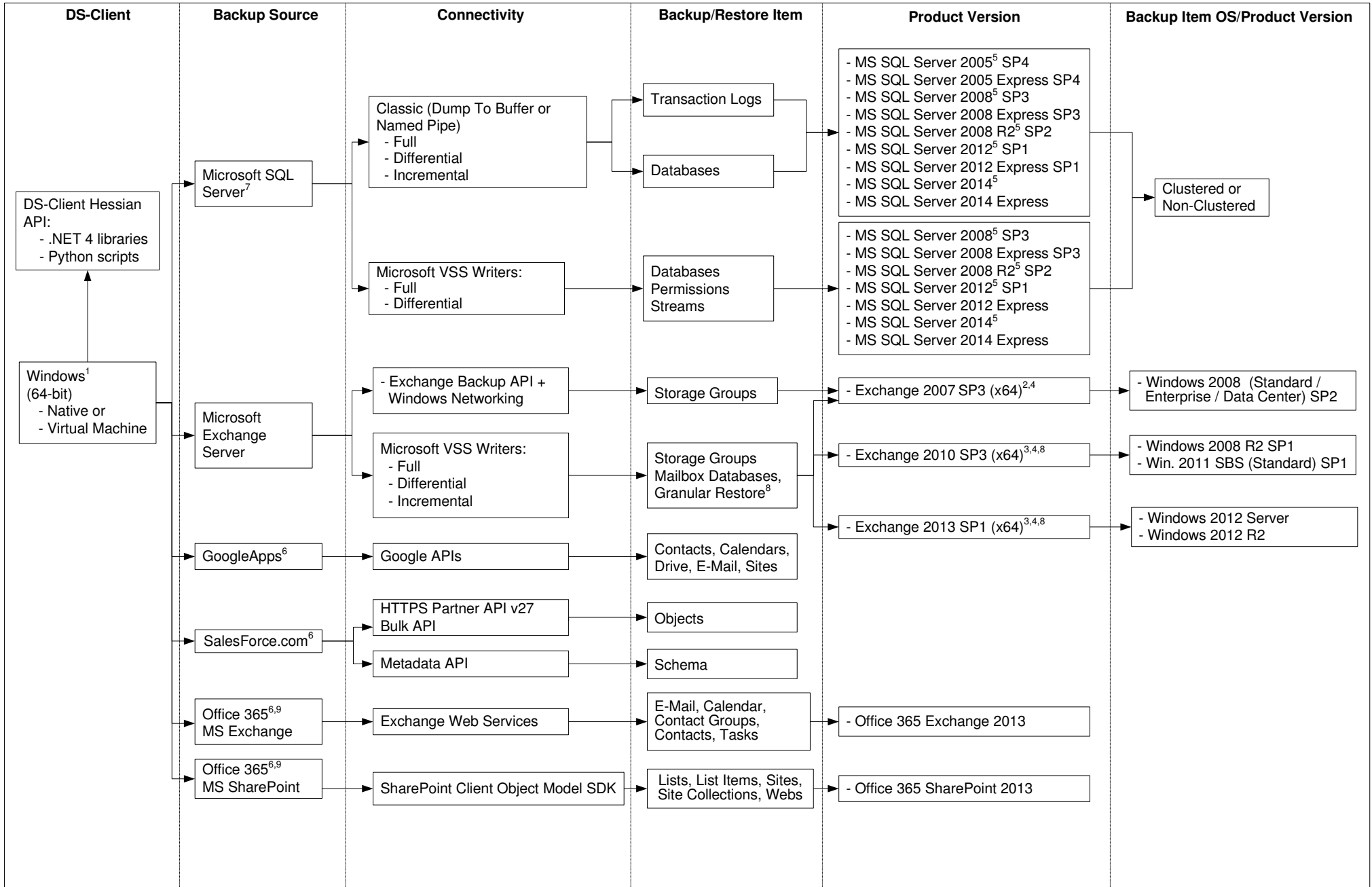
# FullFeatured Windows DS-Client Agentless Backup/Restore Support (1 of 5) v13



<sup>1</sup> File backup includes File Data, Permissions, Extended File Attributes (Novell), Novell Storage Services, POSIX names, Alternate Data Streams, Sparse Files, Encrypted Files, and Junction Points.  
<sup>2</sup> Active Directory Backup/Restore is supported by DS-Client.

<sup>3</sup> Bare Metal Restore (BMR) to same or alternate hardware (BMR to machines running on different hypervisors is not supported).  
<sup>4</sup> Permissions-only backup sets only apply at the directory or file level (no special backup items).

# FullFeatured Windows DS-Client Agentless Backup/Restore Support (2 of 5) v13



<sup>1</sup> DS-Client can back up locally, agentless, on both native OS and Virtual Machine Installation, 32/64-bit architectures, depending on the access provided to the backup source.

<sup>2</sup> SCC and CCR configurations are supported.

<sup>3</sup> Standalone and DAG configurations are supported.

<sup>4</sup> Microsoft Exchange in Multi-Tenant configuration is not supported.

<sup>5</sup> MS SQL Server Standalone and Cluster configurations are supported.

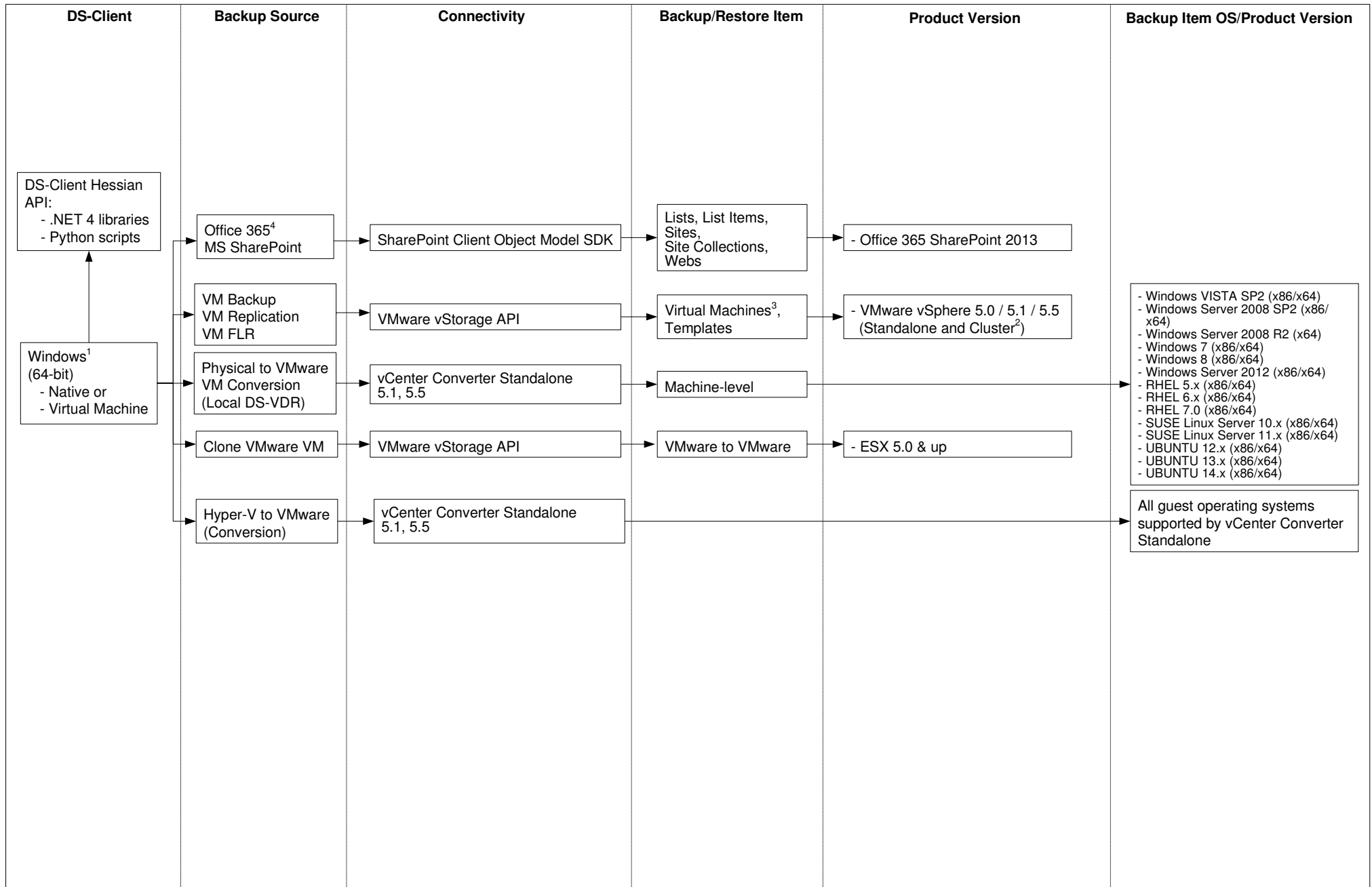
<sup>6</sup> Plug-in must be installed on the DS-Client computer.

<sup>7</sup> For clustered ESX / ESXi servers, vMotion must not move the Virtual Machines during any backup activity if the backup points to an ESX / ESXi host.

<sup>8</sup> Recovery of items from database-level backup is performed via DS-Recovery Tools (x64). (For Microsoft Exchange 2010, this is supported for SP3.)

<sup>9</sup> Office 365 backup and recovery is only supported when DS-Client is running on Windows operating system

# FullFeatured Windows DS-Client Agentless Backup/Restore Support (3 of 5) v13



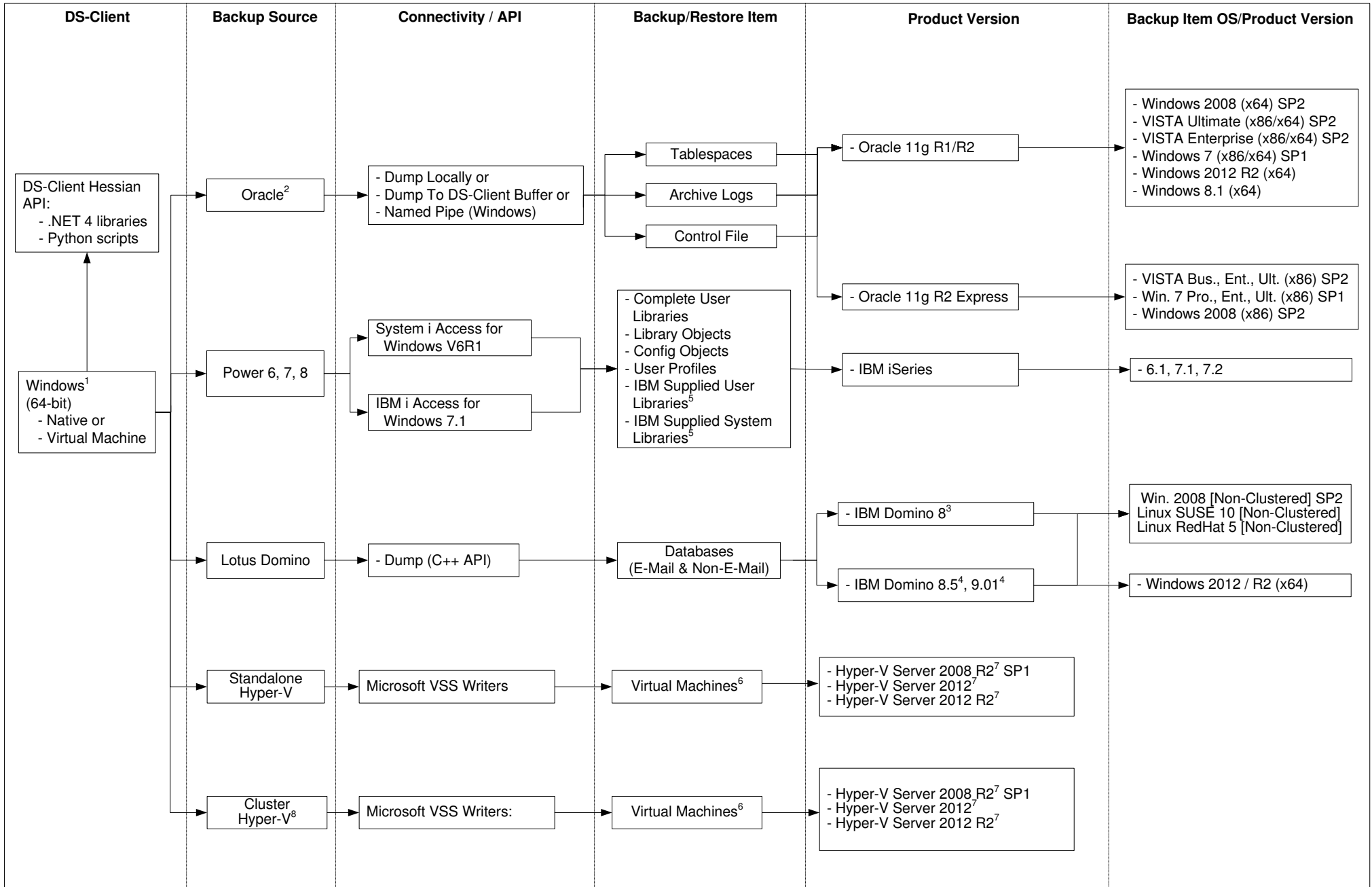
<sup>1</sup> DS-Client can backup locally and agentless, on both native OS and Virtual Machine Installation, 32/64-bit architectures, depending on the access provided to the backup source.

<sup>2</sup> For clustered ESX / ESXi servers, vMotion must not move the Virtual Machines during any backup activity if the backup points to an ESX / ESXi host.

<sup>3</sup> VMware VADP backup sets can be restored via RVDR for disaster recovery or hot standby.

<sup>4</sup> Office 365 backup and recovery is only supported when DS-Client is running on Windows 2008, 2008 R2, 7, 8, 8.1, 2012, and 2012 R2.

# FullFeatured Windows DS-Client Agentless Backup/Restore Support (4 of 5) v13



<sup>1</sup> DS-Client can backup locally, agentless, on both native OS and Virtual Machine Installation, 32/64-bit architectures, depending on the access provided to the backup source.

<sup>2</sup> Oracle backup and restore is supported when Oracle is running on raw devices (ASM), as supported by Oracle.

<sup>3</sup> With DB2 or NSF databases.

<sup>4</sup> With NSF database.

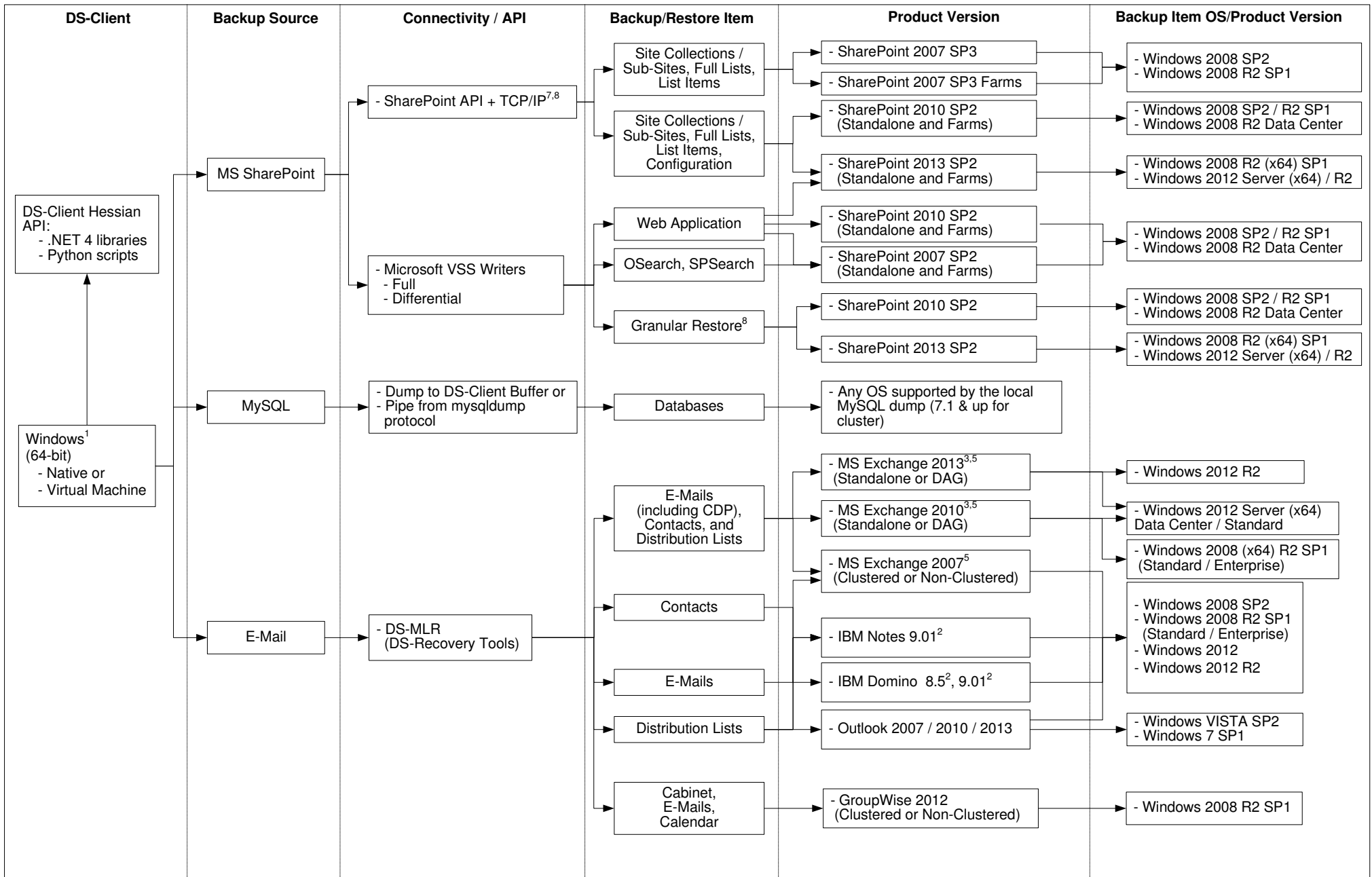
<sup>5</sup> Due to System i restricted functionality, some libraries / objects might not be backed up.

<sup>6</sup> Virtualization with Hyper-V can be done in 2 ways: 1) By installing the Hyper-V ROLE as part of a Windows Server installation, or 2) by installing the Hyper-V Server itself.

<sup>7</sup> Only CSV (Cluster Shared Volume) configuration is supported.

<sup>8</sup> Backup and restore is only supported on 64-bit DS-Clients running on Windows 7 and up.

# FullFeatured Windows DS-Client Agentless Backup/Restore Support (5 of 5) v13



<sup>1</sup> DS-Client can backup locally, agentless, on both native OS and Virtual Machine Installation, 32/64-bit architectures, depending on the access provided to the backup source.

<sup>2</sup> With NSF database

<sup>3</sup> CDP is not supported on MS Exchange 2010 / 2013.

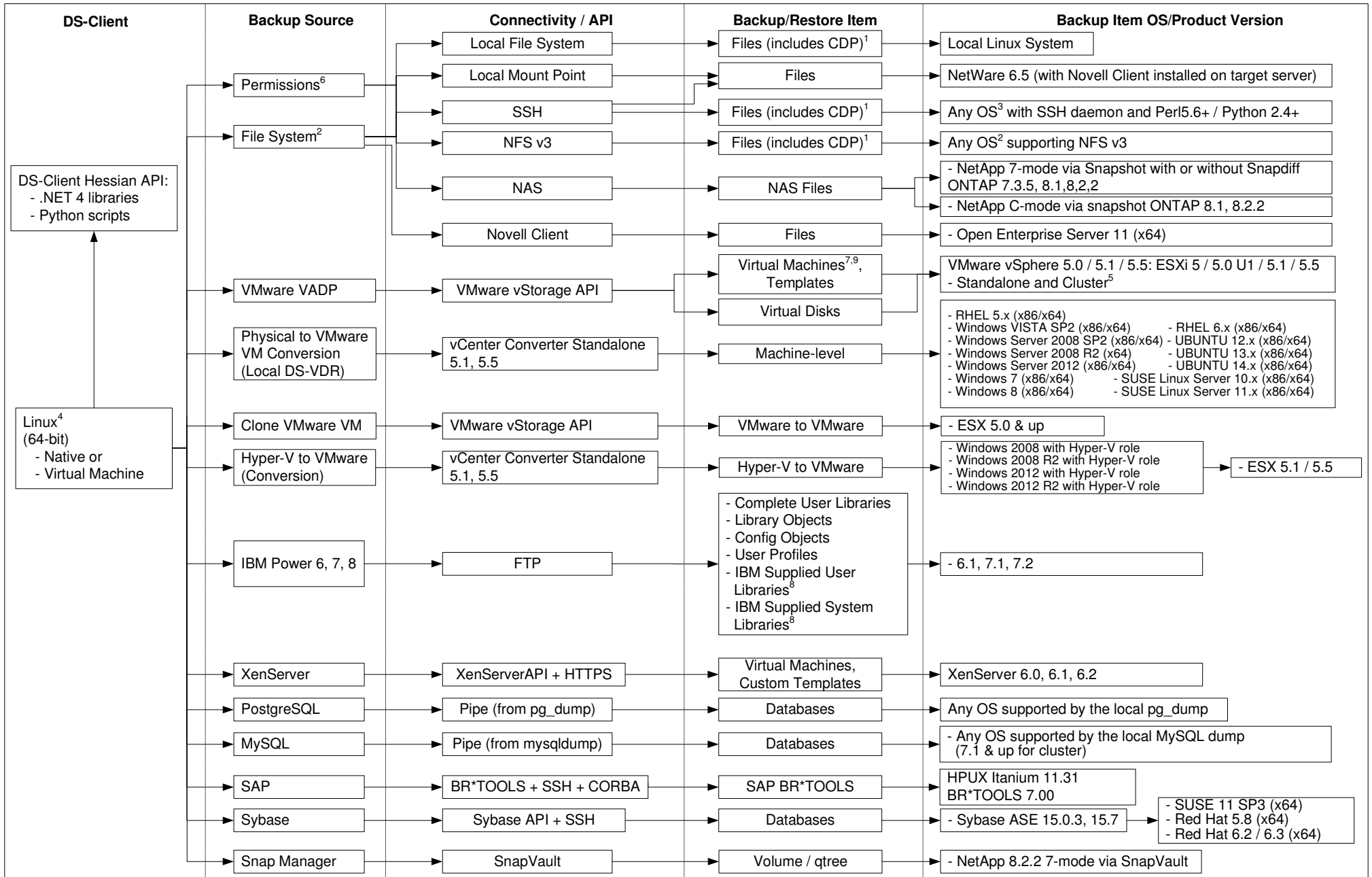
<sup>4</sup> Item-level backup & restore of MS SharePoint Servers is supported as listed in DS-User User Guide (Knowledge Base article "Backup / Restore of SharePoint Servers").

<sup>5</sup> Microsoft Exchange in multi-tenant configuration is not supported.

<sup>6</sup> Recovery of items from database-level backup performed via DS-Recovery Tools.

<sup>7</sup> MS SharePoint farm configurations are supported; as well as external BLOB storage. DB-level backup for external BLOB storage configuration must be performed using SQLVDI backup sets.

# FullFeatured Linux DS-Client Agentless Backup/Restore Support (1 of 4) v13



<sup>1</sup> For Local/NFS/SSH backup, Linux DS-Client supports Unix permissions, hard links, soft links, selinux (Local/SSH only), and POSIX file names (Local File System only).

<sup>2</sup> NFS Backup has been tested on Linux, Solaris, and HP-UX.

<sup>3</sup> SSH Backup has been tested on Linux, Solaris, HP-UX, and AIX.

<sup>4</sup> DS-Client can backup locally, agentless, on both native OS and VMware Installation with 32-bit or 64-bit architectures, depending on the access provided to the backup source.

<sup>5</sup> For cluster ESX/ESXi servers, VMotion must not move the Virtual Machines during any backup activity if the backup points to the ESX/ESXi host.

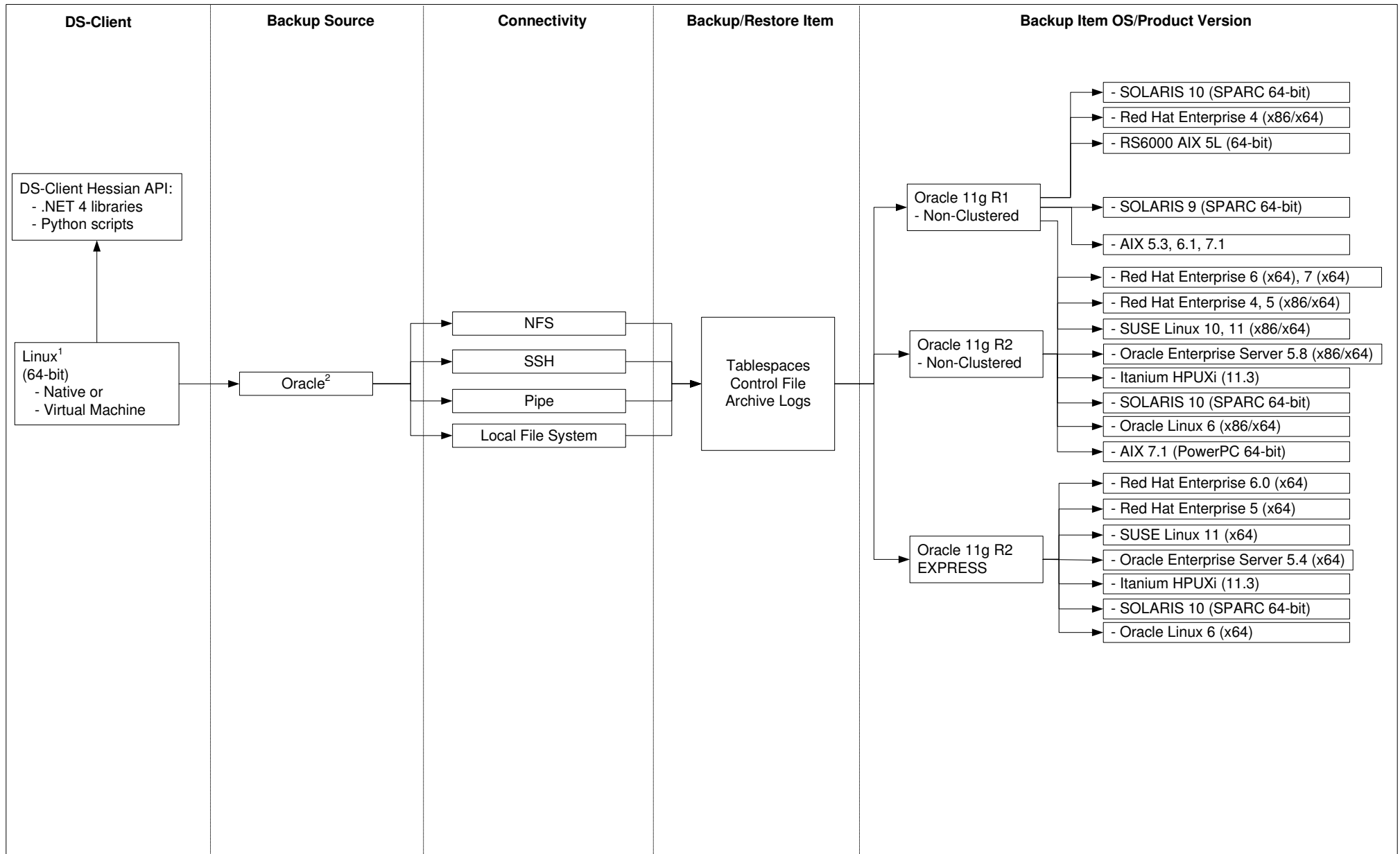
<sup>6</sup> Permissions-only backup sets only apply at the directory level (no special backup items).

<sup>7</sup> Full and incremental restore.

<sup>8</sup> Due to System i restricted functionality, some libraries / objects might not be backed up.

<sup>9</sup> VMware VADP backup sets can be restored via RVDR for disaster recovery or hot standby.

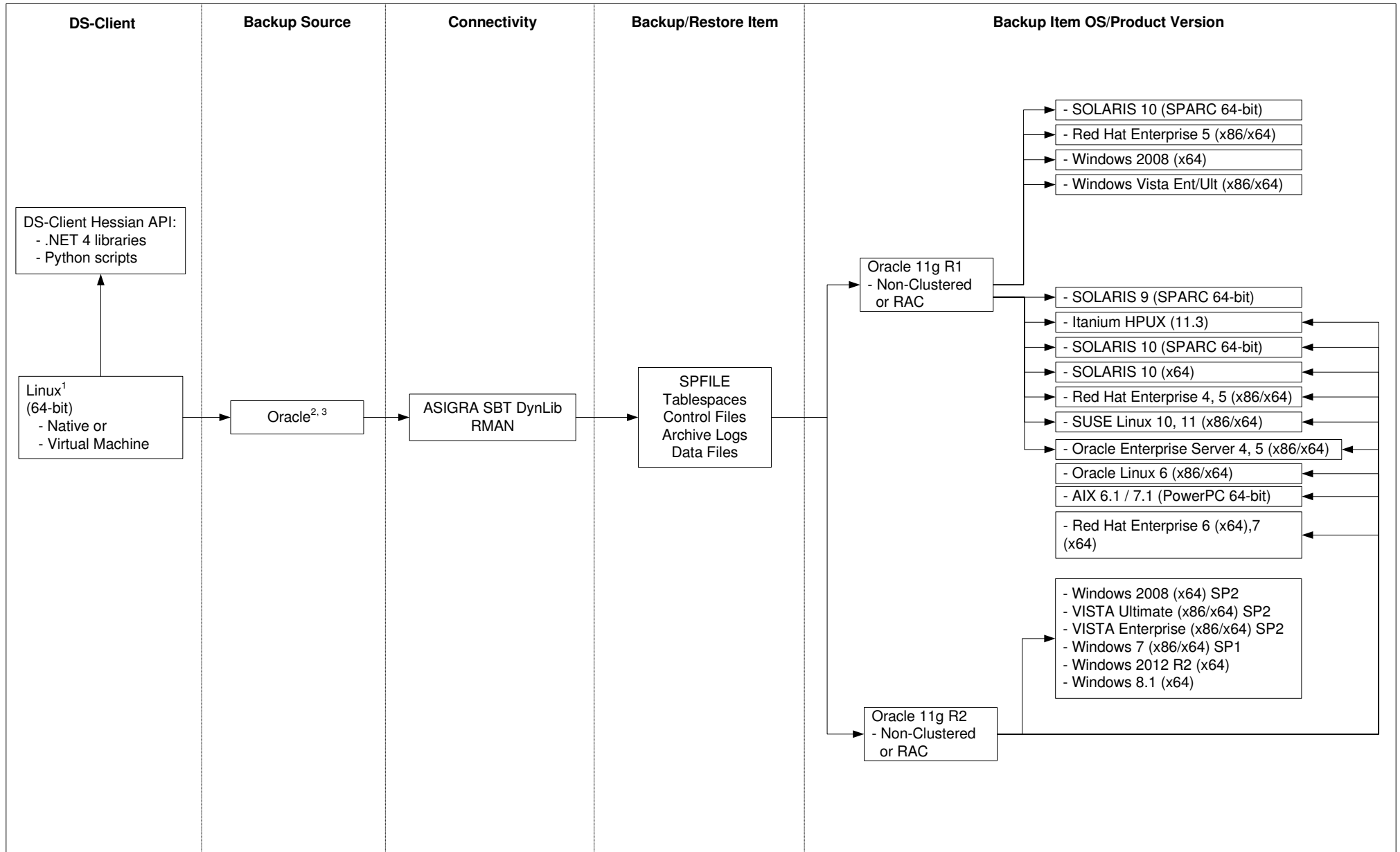
# FullFeatured Linux DS-Client Agentless Backup/Restore Support (2 of 4) v13



<sup>1</sup> DS-Client can backup locally, agentless, on both native OS and VMware Installation with 32-bit or 64-bit architectures, depending on the access provided to the backup source.

<sup>2</sup> Oracle backup and restore is supported when Oracle is running on raw devices (ASM), as supported by Oracle.

# FullFeatured Linux DS-Client Agentless Backup/Restore Support (3 of 4) v13

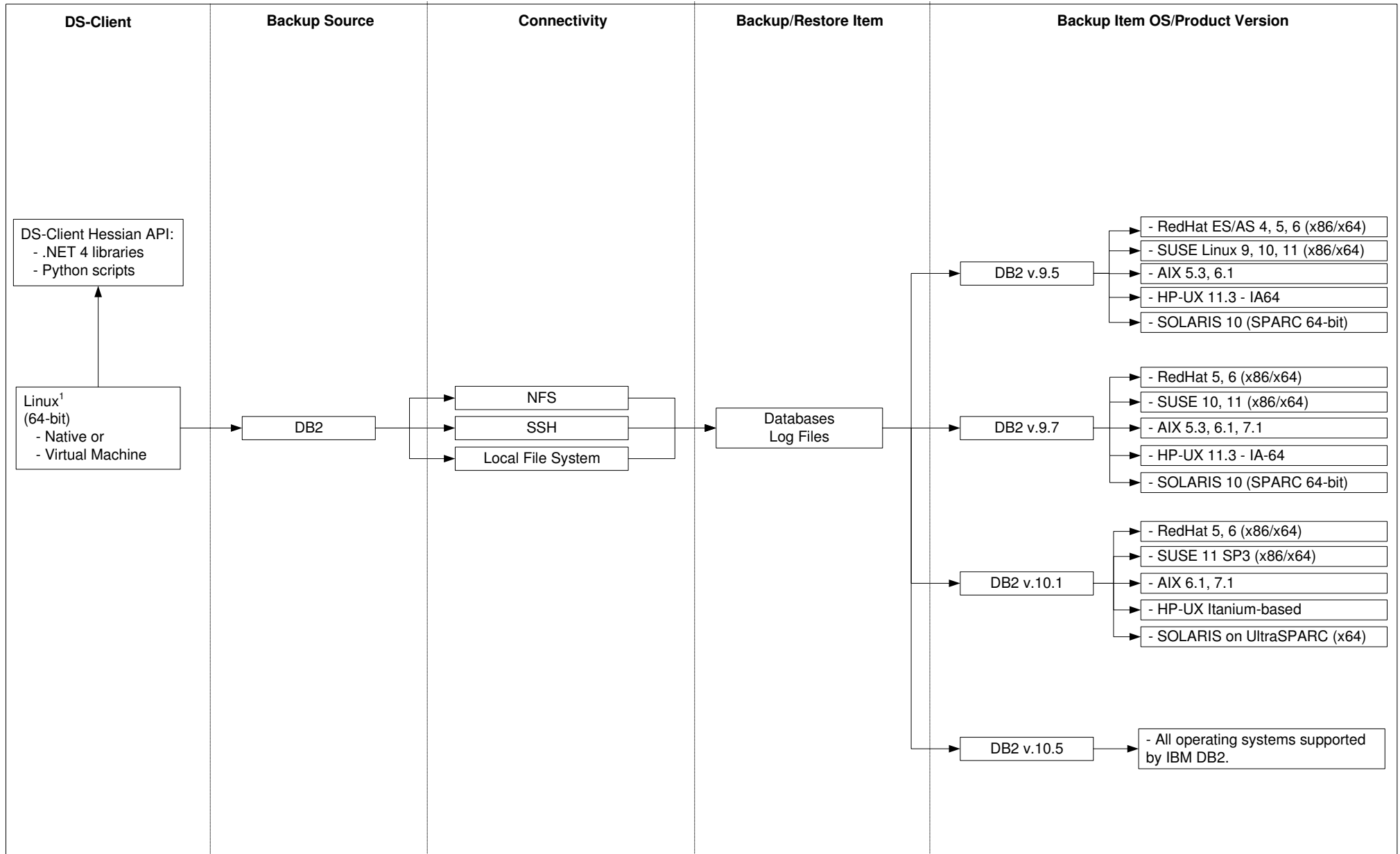


<sup>1</sup> DS-Client can backup locally, agentless, on both native OS and VMware Installation with 32-bit or 64-bit architectures, depending on the access provided to the backup source.

<sup>2</sup> Oracle backup and restore is supported when Oracle is running on raw devices (ASM), as supported by Oracle.

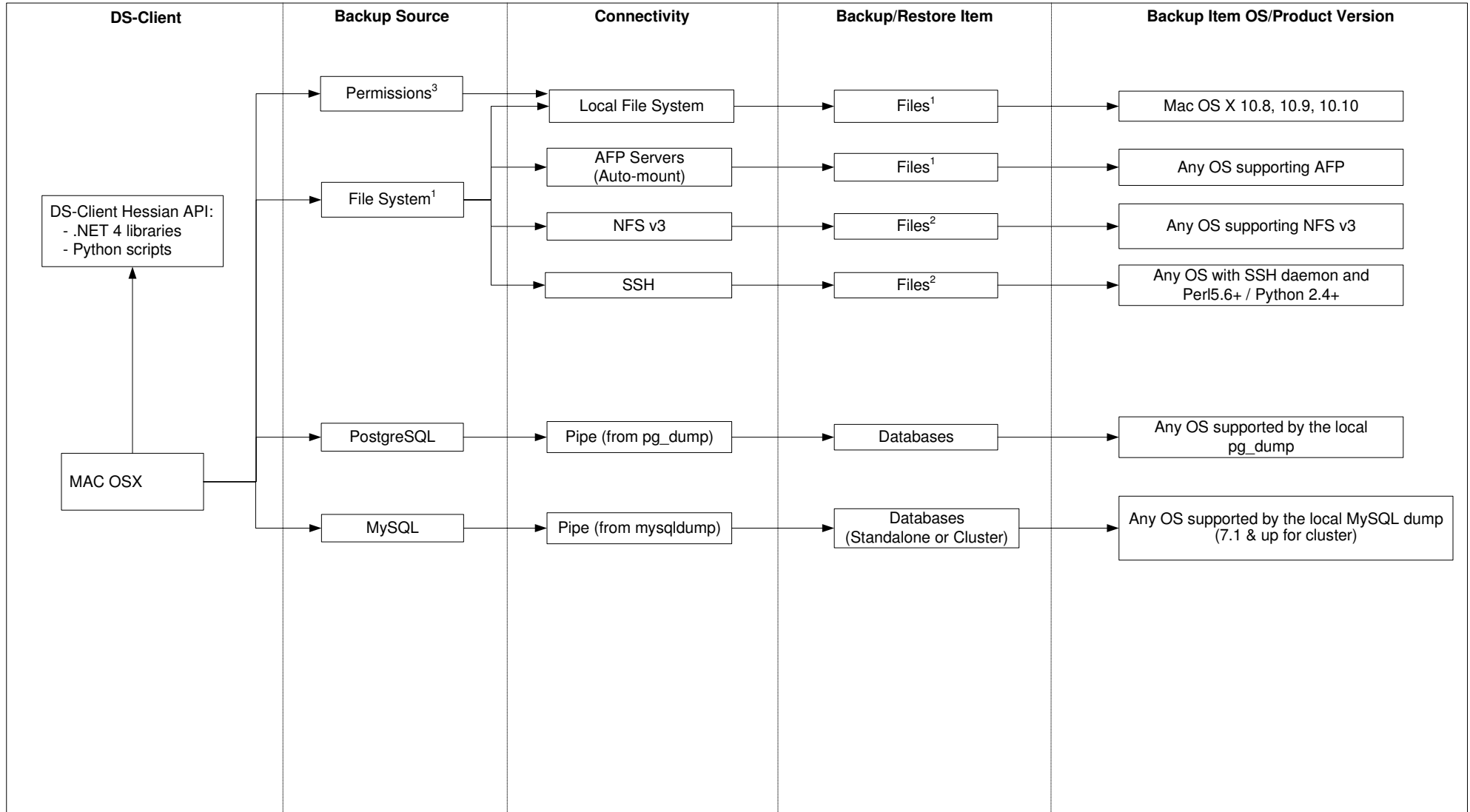
<sup>3</sup> Oracle-SBT (System Backup to Tape) interface: Data is sent to DS-System instead of tape. Oracle-SBT is used for incremental backup functionality (incremental differential and incremental cumulative). Oracle-SBT supports almost all RMAN support, as provided/supported by Oracle.

# FullFeatured Linux DS-Client Agentless Backup/Restore Support (4 of 4) v13



<sup>1</sup> DS-Client can backup locally, agentless, on both native OS and VMware Installation with 32-bit or 64-bit architectures, depending on the access provided to the backup source.

# FullFeatured Mac DS-Client Agentless Backup/Restore Support v13

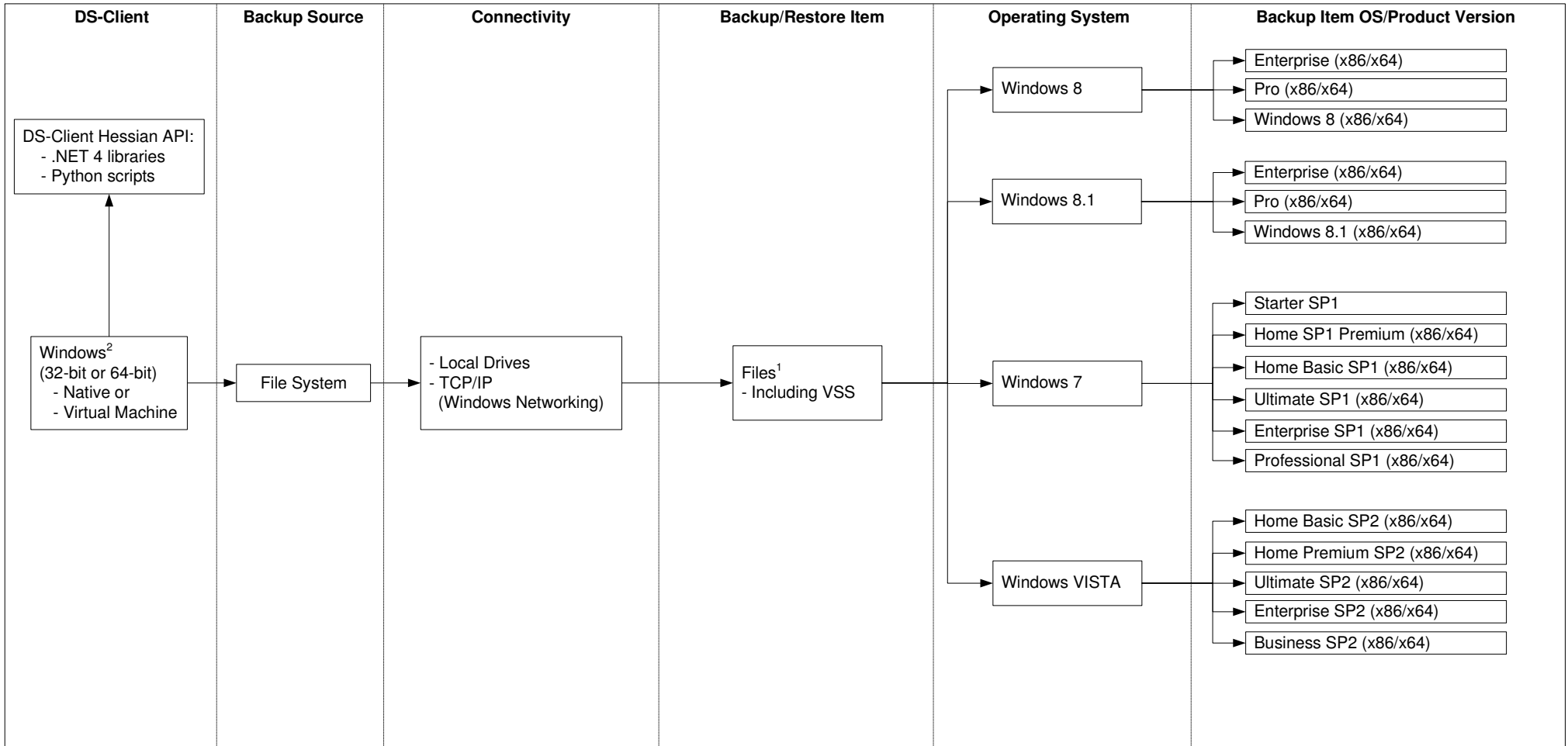


<sup>1</sup> Local and AFP backup supports Unix permissions, POSIX file names, soft links, and resource forks.

<sup>2</sup> For NFS/SSH backup, the Mac DS-Client supports Unix permissions, POSIX file names, and soft links

<sup>3</sup> Permissions-only backup sets only apply at the directory level (no special backup items).

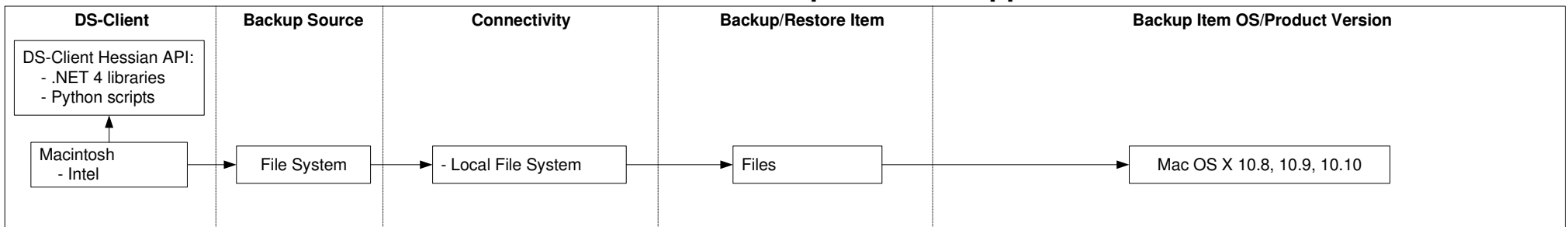
## DS-Mobile Client Agentless Backup/Restore Support v13



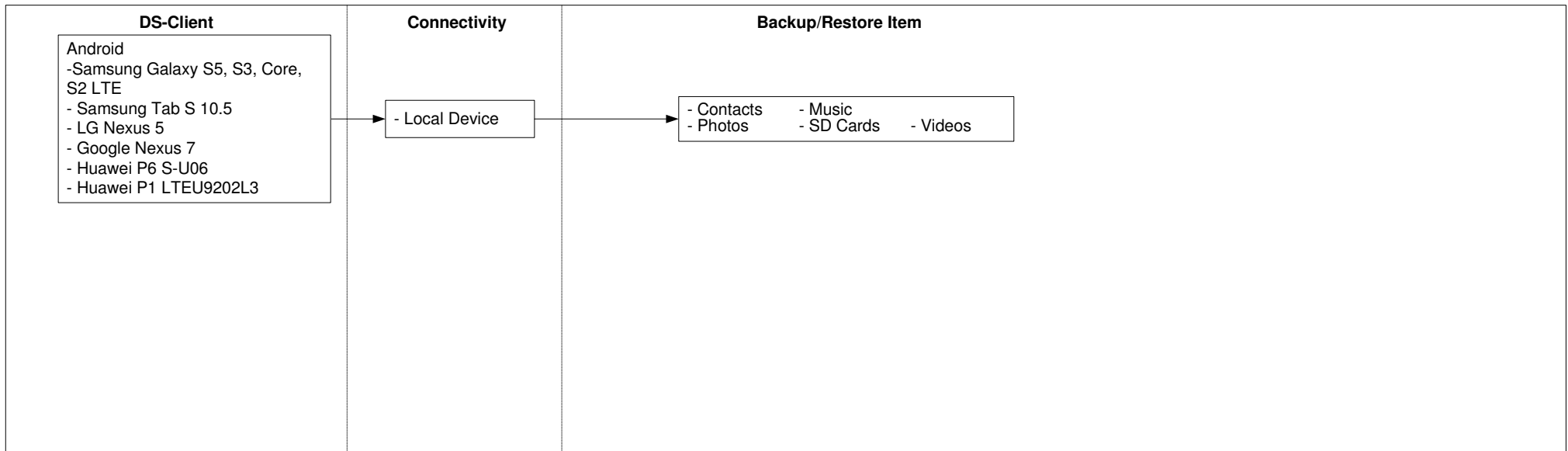
<sup>1</sup> File backup includes File Data, Permissions, Extended File Attributes, Alternate Data Streams, Sparse Files, Encrypted Files, and Junction Points.

<sup>2</sup> DS-Client can backup locally, agentless, on both native OS and Virtual Machine Installations, 32/64-bit architectures, depending on the access provided to the backup source.

## DS-Notebook Client Backup/Restore Support v13

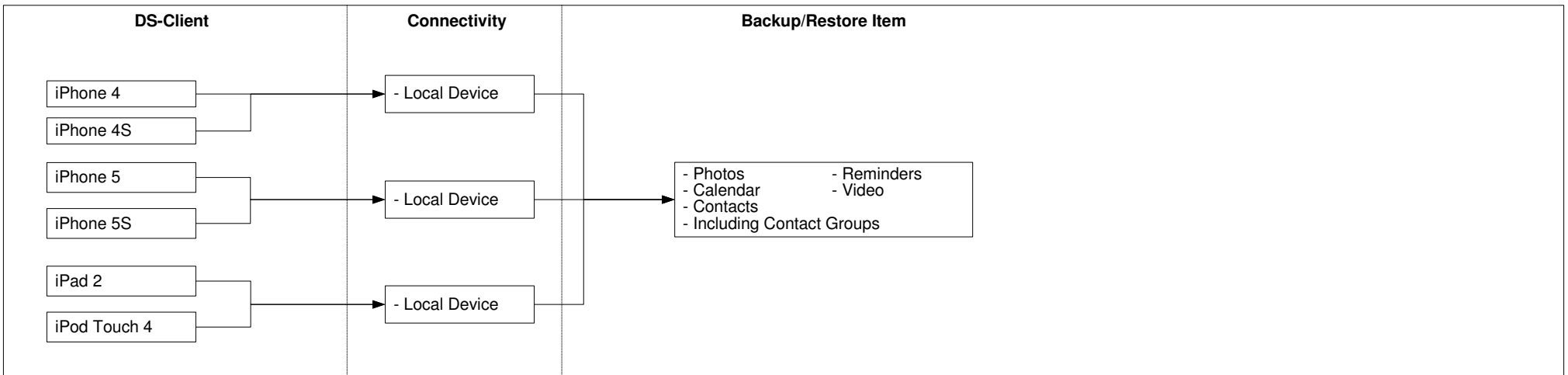


## Android DS-Client for SmartPhone/Tablet Backup/Restore Support v13



- Notes:**
- Android Tablet Hardware minimum requirements: 1GHz CPU & 512MB RAM
  - You must have a WIFI connection on these devices in order to perform backup and restore.

## iOS DS-Client for SmartPhone/Tablet Backup/Restore Support v13



- Note:**
- You must have a Internet connection on these devices in order to perform backup and restore.