

Enterprise Provisioning Suite 7.80 Product Requirements

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Enterprise Provisioning Suite

Enterprise Provisioning Suite Server Hardware and Software Requirements

Table 1 describes the Enterprise Provisioning Suite server requirements. These requirements apply to each server in a distributed installation with the exception of memory, as noted in the table.

Table 1: Enterprise Provisioning Suite Server Requirements

Microsoft Windows Server® 2003 (Service Pack 1 or higher) or Microsoft Windows Server® 2008
Microsoft .NET 3.0 Framework *
Microsoft XML 6.0* and Microsoft XML 3.0 *
Microsoft Visual C++ (x86) Redistributable *
<p>Microsoft Message Queuing</p> <p>Note: If you use the distributed installation feature to install components of the Enterprise Provisioning Suite on different servers in the network, and you replicate Enterprise Provisioning Suite servers in your environment using cloning or virtualization, you must install Microsoft Message Queuing <i>after</i> you have replicated the servers.</p> <p>If you have already installed Microsoft Message Queuing and subsequently replicated the servers, contact Courion customer support for more information. See “Problem Reports” on page 139 for instructions on how to do this.</p>
<p>minimum of 3 GB of memory for a single server installation</p> <p>minimum of 2 GB of memory for each server in a distributed installation</p>
minimum of 2.0 GHz processing speed (multiple CPUs or multicore CPUs recommended)
NTFS formatted disk drive, 80 GB minimum
<p>400 MB on the system drive for decompression of the install image and an additional 600 MB on the drive specified during the installation</p> <p>minimum 200 MB of disk space for log files (more recommended)</p> <p>After installation and initial configuration, the expected footprint of the Enterprise Provisioning Suite is approximately 500 MB</p>

* Included with the Enterprise Provisioning Suite installation executable. If not already installed, they are installed at the beginning of the installation process.

Note: With the release of SP1, Windows Server 2003 restricts the default DCOM permissions such that you cannot launch or access CourATLService and CourAtIAdmin using the default permissions. To broaden the permissions for these components, use “Component Services” from “Administrative Tools” and set custom permissions for these components that include the NETWORK user to “Remote Launch” and “Remote Access” rights. Additionally, ensure that under the “Component Services > Computers > My Computers” property sheet, you have checked “Enable Distributed COM on this Computer” under the “Default Properties” tab.

Note: The requirements in this section assume that the Enterprise Provisioning Suite is the only application installed on the server. Please adjust the memory, CPU, and disk space requirements if other applications are installed on the server.

Note: The requirements are the same for installing onto a virtual machine. Each virtual machine you install on will have to meet the requirements above. This is in addition to the memory, CPU and disk space requirements of the server running the virtual machine(s).

Web Servers

Table 2: Enterprise Provisioning Suite Web Server Requirements

IIS 6.0 on Microsoft Windows Server 2003
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Note: If your IIS 6.0 was upgraded from IIS 5.0, then your IIS 6.0 server is most likely running in IIS 5.0 Isolation mode. This will need to be disabled. Access the IIS Manager by selecting

Start>All Programs>Administrative Tools>Internet Information Services (IIS) Manager

In the left pane, expand the system name. You will see a node called "Web Sites". Right-mouse click on it and select Properties. Go to the Service tab. Uncheck the checkbox **RUN WWW SERVICE IN IIS 5.0 ISOLATION MODE**.

Note: The Enterprise Provisioning Suite uses the default port 80 for IIS communication.

Note: If your site uses SSL to protect information between the Access Options web browser and the web server, a digital certificate is required on the web server. For information on obtaining a digital certificate, refer to the product documentation for your web server.

Enterprise Provisioning Suite with DIRECT! Access Option

Table 3: Enterprise Provisioning Suite with DIRECT!® Access Option for Microsoft Windows NT, Microsoft Windows 2000, and Microsoft Windows XP

Client	A PC with Microsoft Windows NT, Windows 2000, or Microsoft Windows XP Professional®
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Table 4: Enterprise Provisioning Suite with DIRECT! Credential Provider Access Option for Microsoft Windows Vista

Client	A PC with Microsoft Windows Vista
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Product-Specific Server Requirements

Table 5: Product-Specific Server Requirements

AccountCourier® User Provisioning Solution	Microsoft SQL Server® 2000 or Microsoft SQL Server 2005 is required to use Requester/Approver functionality, Delegation functionality, and reports.
ComplianceCourier™ Policy Verification Solution	Microsoft SQL Server 2000 or Microsoft SQL Server 2005 is required for the Verify action and to use Requester/Approver functionality, Delegation functionality, and reports.
RoleCourier® Role Management Solution	Microsoft SQL Server 2000 or Microsoft SQL Server 2005 is required to store role definitions and to use Requester/Approver functionality, Delegation functionality, and reports.
PasswordCourier® Password Provisioning Solution	Microsoft SQL Server 2000 or Microsoft SQL Server 2005 is required to use Requester/Approver functionality, Delegation functionality, Password History, and reports.
ProfileCourier® Profile Management Solution	Microsoft SQL Server 2000 or Microsoft SQL Server 2005 is required to use Requester/Approver functionality, Delegation functionality, and reports.
CertificateCourier® Certificate management Solution	CertificateCourier must be installed on a different server than the rest of the Enterprise Provisioning Suite. Server requirements are the same as those listed in Table 1. The installation requirement is 19 MB of disk space. After configuration, the installation requires approximately 27 MB.
PasswordCourier and PasswordCourier Support Staff Classic	No additional server requirements.
ProfileCourier Classic	No additional server requirements.

Microsoft SQL Server Requirements

Courion strongly recommends that Microsoft SQL Server be installed on a separate machine from the one used for the Enterprise Provisioning Suite server.

The requirements in Table 6 assume that the Microsoft SQL Server is dedicated for use by the Enterprise Provisioning Suite. If the SQL Server is shared with other applications, please adjust the memory, CPU, and disk space requirements specified in Table 6 accordingly.

Table 6: Microsoft SQL Server Requirements

2 GB of memory (4+ GB recommended)
2.0 GHz processing speed (multiple CPUs or multicore CPUs recommended)
200 GB drive (minimum)

Note: If you install SQL Server on the same machine as the Enterprise Provisioning Suite, please adjust the memory, CPU, and disk space requirements accordingly.

Browsers

Table 7: Supported Browsers for the Enterprise Provisioning Suite Administration Manager and End User Web Access

Microsoft Internet Explorer 6.0 or higher.
Safari 3.0 or higher on Apple Macintosh (End User Web Access only)

Additional requirements for web browsers:

- You must install Java 2 Runtime Environment, version 1.4.2 or higher, on any client machine that will access the Customization Manager for PasswordCourier Classic, PasswordCourier Support Staff Classic, or ProfileCourier Classic. For Safari, you must also enable Java (this is the default). From the Preferences menu, select Security to display the Enable Java checkbox.
- If you are using Internet Explorer 6.0, Service Pack 1 must be installed if you want to use Flowchart Mode in the administration manager. This installs VML software required for state diagrams.
- To access both the administration manager and the end-user workflow pages, the browser must be set to a security level of Medium or lower. For Internet Explorer, from the Internet Options window, Security tab, select the zone used for accessing the Courion server, then set the level to the desired setting.
- Browser cache should be set to update automatically for best performance when running the administration manager. For Internet Explorer, from the Internet Options window, General tab, click the Settings button in the Browsing History section and select the “Automatically” radio button.
- For Internet Explorer 7.0 or higher and Safari, tabbed browsing is not supported, since only a single workflow may be open at a time (multiple users sessions aren’t supported).

Report Creation and Integration Software

Table 8: Report Creation and Integration Software

<p>To run the reports included with the Enterprise Provisioning Suite, you need:</p> <ul style="list-style-type: none"> • SQL Server Reporting Services (SSRS) component included with Microsoft SQL Server 2005 or SQL Server 2008 • Microsoft Internet Explorer® version 6.0 with SP1 or higher.
<p>To create your own reports, you need :</p> <ul style="list-style-type: none"> • SSRS Report Builder or SQL Server Business Intelligence Development Studio

Utilities

Table 9: Requirements for Utilities

Enable Users Utility	Microsoft .NET Framework 3.0 or later Microsoft Internet Information Server running on Windows Server 2003 or higher
Configuration Migration Utility	Microsoft Internet Explorer 6.0 or higher as the web browser
Data Security Utility	The web server hosting this Java-based utility must be installed on the same system in which the Courion server is installed.

XML Access Option

The SPML Automator supports the following SPML 1.0 and 2.0 standards:

- addRequest
- modifyRequest
- deleteRequest
- extendRequest
- operationalAttributes

Connectors

For configuration information, refer to the manual *Configuring Password Management Modules (PMMs), Connectors, and Agents*.

The Provisioning Platform: AccountCourier, ComplianceCourier, RoleCourier, ProfileCourier

[Table 10](#), [Table 11](#), [Table 12](#), [Table 13](#), and [Table 14](#) describe the connectors by platform.

Table 10: Operations Supported for Connectors

Target	Connector Name	Operations Supported
BMC Remedy® Action Request System® 3.0 or higher. (previously known as Remedy Action Request System)	Remedy-ARSAPI-3.x	Actions, Audit, Authentication, Query
CA Top Secret®	CA-TopSecret-Cnctr	Actions
Citrix® Password Manager 4.1 The Password Manager Service must be installed with the Citrix Password Manager. See Citrix documentation for details on installing and configuring this.	Citrix-SSO-Cnctr	Trigger
Citrix XenApp (previously known as Citrix Presentation Server) Prior to configuring the Connector for Citrix XenApp, you must install the Citrix SDK.	Citrix-CPS-Cnctr	Actions
HP OpenView ServiceCenter 3.0 (previously known as Peregrine ServiceCenter) Requires Service Pack 2b - 4.01 or higher	Peregrine-ServiceCenter-SCAuto	Audit
HP® Open VMS Alpha 6.2 or higher HP OpenVMS VAX 6.2 or higher	HP-OpenVMS-Cnctr	Actions
IBM Lotus Domino server software version R5 or higher. IBM Lotus Notes client software 7.0 or higher. The client software must be installed in SingleUser mode. (Multi-User install is not supported.) For a client machine to perform Lotus Notes resets through web access, the Microsoft Internet Explorer security setting must allow signed ActiveX® controls to run.	IBM Lotus-Cnctr	Actions, Trigger
IBM OS/390 Systems with CA-ACF2®	CA-ACF2-Cnctr	Actions

Table 10: Operations Supported for Connectors (Continued)

Target	Connector Name	Operations Supported
IBM OS/390 Systems with RACF® IBM zOS™	IBM-RACF-2.x	Actions, Authentication, Query
IBM i5/OS V4R5 or higher (previously known as OS/400) The Connector for IBM i5/OS requires that you install the following software on the target system: AS/400 Toolbox for Java (Mod 3), Licensed Program: 5769JC1 Option: *Base, Version V4R5M0 AS/400 Developer Kit for Java, Licensed Program: 5769JV1 Option: *Base, Version V4R5M0 Java Developer Kit 1.1.8, Licensed Program: 5769JV1 Option:4, Version V4R5M0 TC/IP Connectivity Utilities for AS/400, Licensed Program: 5769TC1 Option: *Base, Version V4R5M0 Operating System/400 Host Servers, Licensed Program: 5769SS1	IBM-OS400-V4R5	Actions
Imprivata OneSign 3.5 or higher	Imprivata-OneSign-Cnctr	Trigger
Kronos Workforce Central 5.2 Requires Microsoft Windows Script Host v5.6 or greater and Microsoft XML Dom v3.0 or greater.	Kronos-WFC-Cnctr	Actions
Microsoft Access 2000 with appropriate ODBC driver Microsoft Access 2003 with appropriate ODBC driver	Microsoft-ODBC-3.0	Actions, Authentication, Audit, Query
Microsoft Active Directory™	Microsoft-ADS-5.x	Actions, Authentication, Query
Microsoft Active Directory Application Mode (ADAM)	Microsoft-ADAM-Cnctr	Actions, Trigger
Microsoft ActiveX Data Objects (ADO) Requires Microsoft Data Access Components (MDAC) 2.6x or higher.	Microsoft-ADO-3.0	Actions, Authentication, Query, Audit, Transaction Repository, Trigger
Microsoft Exchange® 5.5 Requires Service Pack 4	Microsoft-Exchange-5.5	Actions
Microsoft Exchange 2000 or Microsoft Exchange 2003 Requires the following tools: Active Directory Users and Computers Administration Tool and Microsoft Exchange 2000 Administration Tool	Microsoft-Exchange-2000	Actions

Table 10: Operations Supported for Connectors (Continued)

Target	Connector Name	Operations Supported
<p>Microsoft Exchange 2007</p> <p>Requires the following tools be installed on the Courion server: .Net 2.0, Microsoft Management Console 3.0, Microsoft Windows PowerShell, Microsoft Exchange 2007 Management Tools, 32-bit version</p>	Microsoft-Exchange-2007	Actions
Microsoft Identity Integration Server (MIIS)	Microsoft-MIIS-Cnctr	Authentication, Verification, Query
<p>Microsoft SQL Server® 7.0</p> <p>Microsoft SQL Server 2000</p> <p>Microsoft SQL Server 2005</p> <p>Requires the following: Microsoft XML Dom 3.0 or greater, Microsoft Windows Script Host v5.6 or greater, and the SQL Server client.</p>	MSFT-SQL Server-Cnctr	Actions
<p>Microsoft Windows NT 4.0 Service Pack 6a</p> <p>Microsoft Windows 2000</p>	Microsoft-WNTDomain-4.x	Actions, Authentication, Query
Netscape/iPlanet Directory Server	See Sun Directory Server	
Novell SUSE Linux Enterprise	Novell SUSE-Linux Enterprise-Cnctr	Actions
OpenVMS™ for VAX® and Alpha Platforms	HP-OpenVMS-Cnctr	Actions
<p>Oracle8i™ with required ODBC drivers and Required Supported Files (RSF)</p> <p>Oracle9i™ with required ODBC drivers and Required Supported Files (RSF)</p> <p>Oracle Database 10g™ with required ODBC drivers and Required Supported Files (RSF)</p> <p>Requires one of the following Oracle clients: 8.x, 9.x, or 10g</p>	Oracle-Databases-8i/9i	Actions
<p>Oracle E-Business</p> <p>Requires one of the following Oracle clients: 9.2.0.1 client plus the 9.2.0.6 patch. 10G "regular" (non-Instant), if Oracle E-Business Suite is migrated to the 10G Database.</p>	Oracle-E-Business-Cnctr	Actions
Oracle Internet Directory Server	Oracle-Internet DirectoryServer-Cnctr	Actions, Authentication, Query, Trigger

Table 10: Operations Supported for Connectors (Continued)

Target	Connector Name	Operations Supported
PeopleSoft® * Requires PeopleSoft PeopleTools version 8.21. PeopleSoft requires the following components be installed on the Courion server: External PeopleSoft API PeopleSoft_PeopleSoft.tlb (type library) PeopleSoft_PeopleSoft.reg (registry file required for Windows registry) Java Virtual Machine	Peoplesoft-CI-8.x	Actions
PeopleSoft PeopleTools 8.48 Requires PeopleSoft PeopleTools 8.44 or higher and PeopleSoft User Profile Component Interface Requires Microsoft Windows Script Host v5.6 or greater and Microsoft XML Dom v3.0 or greater	PS-PT848WS-Cnctr	Actions
PMM Gateway	PMM-Gateway-Cnctr	Password Reset
Red Hat Linux Enterprise	Red Hat-Enterprise Linux-Cnctr	Actions
Research In Motion Blackberry Requires BlackBerry Enterprise Server v4.1.4 or greater Requires Microsoft Windows Script Host v5.6 or greater, Microsoft XML Dom v3.0 or greater, and BlackBerry User Administration tool v4.1.3.6 or greater	Research In Motion-Blackberry-Cnctr	Actions
SMTP mail server (any)	Netscape-SMTP-3.5	Notification
SAP (Basis Level 46C 620, 640, 700) SAP Logon (for older versions)	SAP-SAP-Cnctr SAP Logon-Cnctr	Actions
Sun™ Microsystems™ Sun Java System Directory Server 5.2 or higher Sun ONESystem Directory Server 5.1 Netscape/iPlanet™ Directory Server 5.0	Sun-Directory-Server-Cnctr	Actions, Authentication, Query, Trigger
Sybase Adaptive Server Enterprise version 12.5.2 or higher, with the OLEDB ASE Data Provider. Requires installation of Sybase ASE client (with ASE OLEDB Data Provider and appropriate ODBC drivers).	Sybase-ASE-Cnctr	Actions

Table 11: Customizable Connectors that Require Perl 5.8

Sample Perl Scripts for the Connectors	Connector Name	Supported Products and Versions	Operations Supported
Epic Requires Epic server with the Bridges™ Standard HL7 Incoming Personnel Management Interface. Requires Microsoft Windows Script Host v5.6 or greater.	Epic-HL7-Cnctr	Epic Summer 2005 and Spring 2006 releases	Actions
Hewlett Packard HP-UX® Note: Connection via SSH or Telnet. Telnet connection requires NET-Telnet.	HP-HP-UX-Cnctr	HPUX 10.20 or higher *	Actions, Authentication
IBM AIX Requires NET-Telnet.	IBM-AIX-Cnctr	IBM AIX 5.1 or higher	Actions, Authentication
Novell NDS eDirectory® Requires Novell intraNetWare® client 4.9.0 or higher.	Novell-NDS-4.x	Novell NDS 4.0 or higher	Actions, Authentication
Sun™ Solaris™ Note: Connection via SSH or Telnet. Telnet connection requires NET-Telnet.	Sun-Solaris-Cnctr	Sun Solaris 6 or higher	Actions, Authentication

Note: These connectors require that the following software be installed on the Courion Server:

- Perl 5.8 or higher (The connector for Epic requires 5.8.8 or higher)
- Microsoft XML Dom v3.0 or higher

Table 12: Customizable Connectors that Require Microsoft Visual Basic Scripting (VBS)

Sample VB Scripts for the Connectors	Connector Name	Supported Products and Versions	Operations Supported
Microsoft SQL Server 2000 and higher Requires SQL Server client	MSFT-SQL-Server-Cnctr	Microsoft SQL Server	Actions
Novell GroupWise® Requires that Novell intraNetWare® client 4.9.0 or higher and GroupWise 6.5 client be installed on the Courion server	Novell-GroupWise-Cnctr	GroupWise 5.5 or above	Actions

Table 12: Customizable Connectors that Require Microsoft Visual Basic Scripting (VBS)

Sample VB Scripts for the Connectors	Connector Name	Supported Products and Versions	Operations Supported
HTML Email Requires that Courion Server running the Connector for HTML Email have Internet access	Microsoft-CDO.Message-Cnctr	Any SMTP mail server	Notification
VBScript Custom Macros	Courion-VBScriptMacro-1.0	Active Script	Query

Note: These connectors require that the following software be installed on the Courion Server:

- Microsoft Windows Script Host v5.6 or higher
- Microsoft XML Dom v3.0 or higher

Table 13: Courion Feature/Functionality Connectors

Connector Feature	Connector Name	Operations Supported
Core Function	Core-Function-Cnctr	Used when you create Functions (see <i>Configuring Workflows with the Enterprise Provisioning Suite Administration Manager</i>); no configuration required
Courion Role Connector	Courion-Role-Cnctr	Actions, Query, Trigger
Courion SQL Usage	Cour-SQLUsage-1.0	Trigger
Courion VBScript Custom Macros	Courion-VBScriptMacro-1.0	Query

Table 14: Rapid Development Kit (RDK) Connectors

Scripting Application	Connector Name	Operations Supported
Microsoft Active Script	Microsoft-Active-Script-Cnctr	Actions, Audit, Authentication, Notification, Query, Trigger
Microsoft VBScript 5.6	Microsoft-VBScript-5.6	Actions, Audit, Authentication, Notification, Query, Trigger
Perl 5.6 and 5.8 XML-DOM, and NET-Telnet	Perl-Perl-5.6 Perl-Perl-5.8	Actions, Audit, Authentication, Notification, Query, Trigger

The PMM Gateway Connector: PMM-Gateway-Cnctr

The PMM Gateway connector, PMM-Gateway-Cnctr, provides an interface between PasswordCourier on the Provisioning Platform and a PMM target.

Password Management Modules

Provisioning Platform and Classic Platform

See the manual *Configuring Password Management Modules (PMMs), Connectors, and Agents* for information about configuring PMMs.

Table 15: Password Management Modules

PMM	Supported Products and Versions
BMC Remedy Action Request System (previously known as Remedy Action Request System)	BMC Remedy Action Request System versions 3.0 or higher
CA-ACF2	CA-ACF2 6.0 or higher OS/390 or zOS™, all versions
CA eTrust SiteMinder (previously known as Netegrity SiteMinder)	eTrust SiteMinder version 5.0 or higher
CA Top Secret®	CA Top Secret 4.4 or higher OS/390 or zOS, all versions
HP-UX	HP-UX 10.20 or higher
IBM AIX	IBM AIX 5.1 or higher
IBM Lotus Domino™	Lotus Domino version R5 or higher. Lotus Notes client software 7.0 or higher.
IBM Lotus Notes®	Lotus Domino version 5.0 or higher. Lotus Notes client software 7.0 or higher. For a client machine to perform Lotus Notes resets through web access, the Microsoft Internet Explorer security setting must allow signed ActiveX® controls to run.

Table 15: Password Management Modules (Continued)

PMM	Supported Products and Versions
IBM i5/OS (previously known as OS/400)	AS/400 with OS/400 V4R5M0 or higher, with the following licensed programs installed: <ul style="list-style-type: none"> • AS/400 Toolbox for Java (Mod 3) Licensed program: 5769JC1 Option:*BASE, Version: V4R5M0 • AS/400 Developer Kit for Java Licensed program: 5769JV1 Option: *BASE, Version: V4R5M0 • Java Developer Kit 1.1.8 Licensed program: 5769JV1 Option: 4, Version: V4R5M0 • TCP/IP Connectivity Utilities for AS/400 Licensed program: 5769TC1 Option: *BASE, Version: V4R5M0 • Operating System/400 Host Servers Licensed program: 5769SS1 Option: 12, Version: V4R5M0 V5R1
IBM RACF	RACF 1.9 or higher All versions of OS/390 or zOS™
iPlanet™ Directory Server	iPlanet™ Directory Server 5.0 Sun ONE Directory Server 5.1 Sun Java System Directory Server 5.2 or higher
Kronos Workforce Central	Kronos Workforce Central 5.2 Requires Microsoft Windows Script Host v5.6 or greater and Microsoft XML Dom v3.0 or higher.
Linux	Red Hat® Linux 7.3 and Red Hat Linux 8.00 or higher Red Hat Enterprise Linux 2.1 or higher Versions of Red Hat Enterprise Linux 3.x or earlier require you to install the Linux Pluggable Authentication Modules (libpam.so{X.YY}) on the machine where the PMM agent for Linux is installed.
Microsoft SQL Server	Microsoft SQL Server 7.0 Microsoft SQL Server 2000 Microsoft SQL Server 2005 Microsoft Open Database Connectivity 2.0 or higher with ODBC Administrator Service enabled
Netscape Directory Server®	Netscape Directory Server 4.11
Novell GroupWise	Novell GroupWise version 5.5 or higher. Novell intraNetWare client software version 4.7
Novell NDS eDirectory	NDS up through version 8 NetWare 4.x and 5.x Novell intraNetWare client software version 4.7

Table 15: Password Management Modules (Continued)

PMM	Supported Products and Versions
Novell NetWare Bindery	Novell 3.x, 4.x, and 5.x (with bindery emulation) Novell intraNetWare client software version 4.7
OpenVMS™	HP OpenVMS Alpha 6.2 or higher HP OpenVMS VAX 6.2 or higher
Oracle	Oracle8i with appropriate ODBC driver and Required Supported Files (RSF) Oracle9i with appropriate ODBC driver and Required Supported Files (RSF) Oracle Database 10g with appropriate ODBC driver and Required Supported Files (RSF)
Oracle E-Business Suite	Oracle 11i Requires one of the following Oracle clients: 9.2.0.1 client plus the 9.2.0.6 patch 10G "regular" (non-Instant), if Oracle E-Business Suite is migrated to the 10G Database
PeopleSoft	Requires PeopleSoft Peopletools 8.21 or higher
RSA Access Manager	RSA Access Manager 6.0 or higher. Requirements: Microsoft Windows Script Host v5.6 or greater Microsoft XML Dom v3.0 or greater JRE 1.42 or higher ct_admin_api.jar file from the Access Manager server (in the \lib directory) java.exe must be in the system path
RSA SecurID®	ACE/Server 4.11, or higher running on one of the following: <ul style="list-style-type: none"> • Sun Solaris 2.6 or higher • Microsoft Windows NT, Microsoft Windows 2000, or Microsoft Windows 2003 • IBM AIX • HP/UX
SAP SAP Logon	SAP versions 4.6c or higher of SAP SAP versions before 4.6c SAP.NET connector
mySAP.com™	SAP R/3 4.5c or higher Business Connector 4.0 or higher The PMM for mySAP.com requires the use of template files. Template files for SAP v4.6C are included with the product. To use the PMM with versions other than SAP v4.6C, you need to generate template files. See the documentation for this PMM in the manual <i>Configuring Password Management Modules (PMMs), Connectors, and Agents</i> for information on generating template files.

Table 15: Password Management Modules (Continued)

PMM	Supported Products and Versions
Sun Kerberos	Sun Kerberos 5 or higher Requires Microsoft Windows Script Host v5.6 or greater and Microsoft XML Dom v3.0 or higher.
Sun Solaris	Solaris 6.0 or higher on the SPARC platform. A PMM agent for Sun Solaris must be installed on each Sun SPARC™ machine on which password resets are to be performed. The agent must be installed on the SPARC platform.
Sybase Adaptive Server	Sybase Adaptive Server 11.9.2 or higher, with appropriate ODBC driver
Synchronization (PasswordCourier Classic only)	This PMM has no additional software requirements.
Windows NT and Windows 2000	Microsoft Windows NT 4.0 Service Pack 6a Microsoft Windows 2000 SP 2 Microsoft Windows XP Professional
Windows Active Directory®	Microsoft Active Directory domain

Remote Password Management (Classic Platform)

Table 16: Web Service with Remote Password Management

<p>Microsoft.NET Framework 1.1 or later</p> <p>Microsoft Internet Information Server (IIS) running on Windows 2003 server.</p>
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Ticketing (Audit) and Authentication

PasswordCourier Classic, PasswordCourier Support Staff Classic, and ProfileCourier Classic

See the manual *Using PasswordCourier and PasswordCourier Support Staff Classic* and *Using ProfileCourier Classic* for information about how to configure these applications on the classic platform.

Table 17: Supported Data Sources for PasswordCourier Classic and ProfileCourier Classic Authentication

Help Desks	BMC Remedy Action Request System 3.0 or higher
Directories	Sun Java System Directory Server 5.2 or higher Sun ONE System Directory Server 5 iPlanet™ Directory Server 5.0 Netscape Directory Server 4.11
	Microsoft Windows 2000 Server or later
	Novell eDirectory™ 8.6.0 or higher
Databases	Microsoft Access 2000 with appropriate ODBC driver Microsoft Access 2003 with appropriate ODBC driver
	Microsoft SQL Server 7.0 with appropriate ODBC driver Microsoft SQL Server 2000 with appropriate ODBC driver Microsoft SQL Server 2005 with appropriate ODBC driver
	Oracle8i with appropriate ODBC driver and Required Supported Files (RSF) Oracle9i with appropriate ODBC driver and Required Supported Files (RSF) Oracle Database 10g with appropriate ODBC driver and Required Supported Files (RSF)
	Sybase Adaptive Server 11.9.2 or higher with appropriate ODBC driver

Table 18: Supported Data Sources for PasswordCourier Classic and ProfileCourier Classic Ticketing

Help Desks	HP OpenView ServiceCenter (previously known as Peregrine ServiceCenter) 3.0 Service Pack 2b - 4.01 or higher
	BMC Remedy Action Request System 3.0 or higher

Table 18: Supported Data Sources for PasswordCourier Classic and ProfileCourier Classic Ticketing

Databases	Microsoft Access 2000 with appropriate ODBC driver Microsoft Access 2003 with appropriate ODBC driver
	Microsoft SQL Server 7.0 with appropriate ODBC driver Microsoft SQL Server 2000 with appropriate ODBC driver Microsoft SQL Server 2005 with appropriate ODBC driver
	Oracle8i with appropriate ODBC driver and Required Supported Files (RSF) Oracle9i with appropriate ODBC driver and Required Supported Files (RSF) Oracle Database 10g with appropriate ODBC driver and Required Supported Files (RSF)
	Sybase Adaptive Server 11.9.2 or higher with appropriate ODBC driver

CertificateCourier

For configuration information, refer to *Using CertificateCourier*.

Authentication with CertificateCourier

Table 19: Supported Data Sources for CertificateCourier Authentication

Help Desks	BMC Remedy Action Request System 3.0 or higher
Directories	Sun Java System Directory Server 5.2 or higher Sun ONESystem Directory Server 5 iPlanet™ Directory Server 5.0 Netscape Directory Server 4.11
	Microsoft Windows 2000 Server or later
	Novell eDirectory™ 8.6.0 or higher
Databases	Microsoft Access 2000 with appropriate ODBC driver Microsoft Access 2003 with appropriate ODBC driver
	Microsoft SQL Server 7.0 with appropriate ODBC driver Microsoft SQL Server 2000 with appropriate ODBC driver Microsoft SQL Server 2005 with appropriate ODBC driver
	Oracle8i with appropriate ODBC driver and Required Supported Files (RSF) Oracle9i with appropriate ODBC driver and Required Supported Files (RSF) Oracle Database10g with appropriate ODBC driver and Required Supported Files (RSF)
	Sybase® Adaptive Server® 11.9.2 or higher with appropriate ODBC driver

Ticketing (Audit) with CertificateCourier

Table 20: Supported Data Sources for CertificateCourier Ticketing

Help Desks	HP OpenView ServiceCenter (previously known as Peregrine ServiceCenter) 3.0 Service Pack 2b - 4.01 or higher Peregrine® Archway (included in Get-It 2.0.1)
	BMC Remedy Action Request System 3.0 or higher
Directories	Microsoft Windows 2000 Server or later
Databases	Microsoft Access 2000 with appropriate ODBC driver Microsoft Access 2003 with appropriate ODBC driver
	Microsoft SQL Server 7.0 with appropriate ODBC driver Microsoft SQL Server 2000 with appropriate ODBC driver Microsoft SQL Server 2005 with appropriate ODBC driver
	Oracle8i with appropriate ODBC driver and Required Supported Files (RSF) Oracle9i with appropriate ODBC driver and Required Supported Files (RSF) Oracle Database10g with appropriate ODBC driver and Required Supported Files (RSF)
	Sybase 11.9.2 or higher with appropriate ODBC driver

Certificate Management Modules

Table 21: Certificate Management Modules

CMM	Supported Products and Versions
CMM for Entrust/ PKI™	Entrust/PKI™ 5.x or higher running on Microsoft Windows NT 4.0, Microsoft Windows 2000 Server, or Microsoft Windows 2003
CMM for Entrust Authority™ Security Manager	Entrust Authority Security Manager 6.0.1 or higher on Microsoft Windows platforms.

