

## Belarc Product Description

### “BelManage Base”

Belarc's architecture is based on a single enterprise-wide server and database. There is no requirement to maintain local servers or scanners. Belarc's discovery agents are installed once and do not interact with the user or applications.

BelManage Base system includes the BelManage server software and the number of agents licensed by the Licensee. The server software is installed on the Licensee's Windows server. The BelManage agents are installed using Belarc's automated system, or with Group Policy Objects, or by any software deployment system such as SCCM, Tivoli, and others. The BelManage agents run as a service and are usually dormant. On a controlled schedule, typically once per day, the agents create a profile of the computer (~ 10-15 secs.) and send the resulting profile (~ 30 KB) to the Licensee's BelManage server. Agents communicate using standard HTTP on port 80. Support for HTTPS, using port 443, is included as an option, but requires an SSL certificate. Agents identify all devices on their local network and include that information in the data sent to the BelManage server. The BelManage server automatically creates a SQL database and Web reports which are accessed by HQ and local administrators. Reports are grouped by IP subnet, Active Directory OU, or other criteria.

BelManage Base features include the following:

- Configuration tracking with detailed software and hardware reports. Quickly determine costs to upgrade to Windows 8 or Windows 7, or Windows 2008 R2.
- Software License Compliance reports to easily see the number of licenses installed, and any overages that may exist.
- Software Version Compliance reports identify all computers running software that does not match your approved version list.
- Software Usage shows when each application was last used on each of your computers. This feature helps optimize your software licensing process by showing you which licenses are underused.
- Software Search lets you search for systems that have selected software installed. Searches can be made to show systems where the software hasn't been used recently. Underused licenses can then be transferred or uninstalled to reduce your true-up costs.
- Audit data is organized into groups and sub groups. Group membership can be defined in many ways, with IP address range or Active Directory OU being the most commonly used. Users can be given restricted access to particular groups or sub groups, allowing all parts of an organization to use the audit data in an appropriate and controlled fashion.
- Vulnerability assessments including Microsoft application and OS Updates, Anti-Virus status, and more.
- USB storage use reports captures all use of these devices across your computers. Reports include make, model and serial number of device. Detailed reports allow you to see which computers have connected which USB storage devices.



- Network Discovery reports all computers, printers, routers, and other devices on your networks. Includes special reports that show computers without a BelManage profile, and network printer details such as make, model, and serial number.
- Group Policy and OU Details reports the Active Directory Group Policies applied to each computer along with revision numbers. This lets you verify that group policies are fully deploying to your computers. Reports also include the Organizational Unit that each computer is assigned to in your active directory.
- User account search looks at all users, across all computers and domains. Search criteria like password age, or last logon date, make it easy to improve your user account security.
- Virtual machine dependency mapping provides key configuration data about all of your virtual machines, and allows you to view VM's by host.
- OS update agent shows the status of Windows update agents, so that you can verify correct configuration and operation.
- Laptop Encryption shows laptop drive and volume encryption status, highlighting suspended encryption, no encryption or partial encryption.
- Application Bitness reports provide additional information about 16 bit, 32 bit or 64 bit software. A separate report shows software that will not run under 64 bit Windows, and software search can be configured by application bitness.
- Monitoring of important parameters such as free disk space, hard drive S.M.A.R.T. status, network activity, CPU utilization, reboots and more.
- Open architecture allows easy integration with helpdesks and other applications.

Enterprise Architecture (EA) and IT best practice processes such as those from the IT Infrastructure Library (ITIL) have demonstrated the benefits of an accurate, automated and up-to-date central repository describing of all of the enterprise's IT assets and their configurations. This repository, called a Configuration Management Database (CMDB), is automatically created by BelManage.

#### **Term**

The BelManage Base package is a perpetual license.

#### **Pricing**

Pricing is per monitored machine.

#### **Product Requirements**

The BelManage Server can be installed on Windows Server 2012, 2008 R2, 2008 (64-bit or 32-bit) or Windows Server 2003 (32-bit). The BelManage Agents run on Windows Server 2012, Windows 8, Windows Server 2008, Windows 7, Vista, 2003, XP, 2000, NT 4, Me, 98, 95, Linux, VMWare ESX, Macintosh OS X and Solaris. BelManage offers both installable and agent-less solutions. Disk Space needed – 300 MB plus 1 MB per monitored computer. Database: MS SQL Server Express Edition (included); MS SQL Server 2012, 2008 R2, 2008 or 2005 (customer supplied option, no cost for interface module) or Oracle 11g or 10g (customer supplied option, additional cost for interface module).



## “Change History Module”

Change History shows all of the software and hardware adds and removes. The Change History module is available as an added-cost option. It also provides information about other configuration changes, like the addition or removal of local accounts and first use of domain accounts.

The following reports are available:

### Hardware Changes

This report shows the detailed hardware adds and removes on all of your computers on a daily basis over the past 30 days. For example:

Wednesday, Oct 11, 2013				
3am	<a href="#">ajones</a>	Removed	Hard Drive	WDC WD102BA, Rev 16.13M16, Physical Drive: 1, Serial Number: WD-WM9470148079
3am	<a href="#">ajones</a>	Removed	Memory Module	256 MB in slot DIMM_B
3am	<a href="#">sfong</a>	Added	Device	Compaq 56K (V.90) PCI Modem

### Software Changes

This report shows the detailed software adds and removes on all of your computers on a daily basis over the past 30 days. For example:

Wednesday, Oct 11, 2013				
3am	<a href="#">bhoward</a>	Added	Software	KaZaA - KaZaA Media Desktop (KaZaA Media Desktop) Version 1, 6, 1, 0
3am	<a href="#">kmiller</a>	Added	Hotfix	Id: WM320920, Description: Windows Media Player Rollup Available, Status: Pass
3am	<a href="#">rsmith</a>	Removed	Software	Netscape - NETSCAPE (Netscape Navigator application file) Version 4.76
3am	<a href="#">rsmith</a>	Added	Software	Mozilla, Netscape - Netscape (Netscape) Version 7.0.2

### Changes by System

This report allows you to click on a system name and view all of the software and hardware adds and removes made to that computer since BelManage began monitoring it.

### **Term**

The Change History Module is a perpetual license.

### **Pricing**

Pricing is per monitored machine.

### **Product Requirements**

BelManage Base.



## **“BelSecure Module”**

BelSecure automatically does a vulnerability assessment of the Licensee’s IT systems, checks security policies, configuration settings, and discovers other information about the host such as anti-virus status, application versions, security patches, user accounts and more. The policy settings are automatically compared with US Government specified benchmarks, like the US Federal Desktop Core Configuration. These benchmarks allow IT managers to automatically determine the security status of their IT assets in advance of an attack.

Many current threats are not stopped by perimeter security systems such as firewall and anti-virus systems. Setting and monitoring configurations based on consensus benchmarks is a critical step because this is a pro-active way to avoid many successful attacks. The U.S. National Security Agency has found that configuring computers with proper security settings blocks over 90% of the existing threats. (IA Newsletters "Security Benchmarks: A Gold Standard.")

BelSecure features include the following:

- Automated, daily vulnerability assessment, including all Microsoft OS and Office vulnerabilities, anti-virus status, user account status, and more.
- Web portal architecture. WAN based operation. Single Intranet server and database.
- Automatic comparison with appropriate benchmarks, such as USGCB for Windows 7, FDCC for Windows Vista and XP, IE7, IE8 and Windows Firewall.
- Helps automate security processes such as FISMA, HIPAA and FFIEC.
- Certified to work with Cisco's NAC (Network Admission Control) system.

### **Term**

The BelSecure Module is a perpetual license.

### **Pricing**

Pricing is per monitored machine.

### **Product Requirements**

BelManage Base.



## **“BelManage Auditor”**

The BelManage Auditor is a product designed expressly for companies wishing to perform infrequent audits or one time audits of their computers. It offers features that make it particularly appropriate for service providers or systems integrators who want to offer a simple auditing service to their customers. Audits can be performed quickly and efficiently without having to visit every single desktop. The BelManage product Auditor offers a complete discovery of hardware, software and current hotfix information. The BelManage Auditor offers all of the features of BelManage for a limited period.

### **Deployment and Use**

The BelManage Auditor Server provides a variety of reports on your PC assets. Information is collected by running the Auditor program on each of your PCs. This information is then uploaded to the Auditor Server, where it is compiled into a database.

The Auditor program is stored and run from an exchangeable disk, or from a networked drive. It is most commonly used from a portable USB stick, or by bringing a laptop with the Auditor software to the customer’s location. This latter option allows you to conduct audits and produce reports without any data leaving your customer’s location. When the program is run, the inventory information (the “profile”) is automatically stored in the same folder as the program itself. The program is very small, and the resulting profiles average less than 30 KB per computer. So, even for a customer with a large number of PCs, it would be quite practical to visit them armed with a single USB drive, audit all of their systems and then return to your office to upload the data to your BelManage server. Using Belarc’s automated system, it is possible to simply mount the Auditor program on a networked disk and audit all of the PCs on the LAN without physically visiting each PC.

For service providers, the information collected from different customers can be stored in separate groups on the BelManage server. This means that a single BelManage Auditor system can be used to record data from many different customers systems and to produce the appropriate reports for each of those customers. Reports can be customized with your own branding.

### **Term**

The BelManage Auditor basic package is a 3 month term license.

### **Pricing**

Pricing is per audited machine.

### **Product Requirements**

The BelManage Server can be installed on Windows Server 2012, 2008 R2, 2008 (64-bit or 32-bit) or Windows Server 2003 (32-bit). The BelManage Agents run on Windows Server 2012, Windows 8, Windows Server 2008, Windows 7, Vista, 2003, XP, 2000, NT 4, Me, 98, 95, Linux and Solaris. Disk Space needed – 300 MB plus 1 MB per monitored computer. Database: MS SQL Server Express Edition (included); MS SQL Server 2012, 2008 R2, 2008 or 2005 (customer supplied option, no cost for interface module) or Oracle 11g or 10g (customer supplied option, additional cost for interface module).

## **“Data Analytics Module”**

Belarc's Data Analytics Module is an add-on module to BelManage which provides optimization of software licensing and costs along with flexible analysis of your BelManage data. For software licensing optimization, the Data Analytics module allows our customers to automatically link their discovered software data in BelManage with their purchase records. For example, discovered instances and usage of Microsoft Office, SQL Server, Visio, Project, Oracle, Adobe, etc., can be automatically linked to purchase and licensing records in Excel spreadsheets and other formats. This allows for automatic comparisons of purchased vs. installed and installed vs. used software reports.

Belarc's Data Analytics module is based on [QlikView](#), a leading data discovery and business intelligence platform. The Data Analytics module includes an OEM version of QlikView along with the data models which link to BelManage's database and our customer's purchase records. The following standard reports are included:

- Data discovery and flexible analysis of the BelManage data. Included are all of the standard BelManage reports such as System List, Registered Software, All Software Versions, Virtual Machines, Group Policies, Change History, Network Map, etc., in all totaling over thirty reports.
- Software license optimization reports include: Licensed v. Installed, Installed v. Used, and Price Comparison benchmarks. This includes license optimization reports for Microsoft Office, Project, Visio, SQL Server, Windows Server, Adobe, Oracle and more.

### **Term**

The Data Analytics Module is a perpetual license.

### **Pricing**

- Single user version is €5,000 plus €1,000 per year for maintenance.
- Server version including five named users is €15,000 plus €3,000 per year for maintenance.
- Maintenance includes both support and product updates, and is required for this module.

### **Product Requirements:**

- BelManage Base
- Operating systems: Single User workstation - Windows 7, Windows 8. Server version - Windows Server 2008/R2, Windows Server 2012.
- Memory in GB: number of BelManage profiles/10,000.



## **“PKI Authentication Module”**

The PKI Authentication Module allows authentication of BelManage users with PKI (Public Key Infrastructure) certificates presented by their web browsers, or CAC authentication. PKI certificate authentication is handled by both BelManage and the IIS web server working together. The web server accepts, authenticates, and associates the certificate with a web session. BelManage associates the certificate attributes with an account and assigns the security rights of that account to the web session.

### **Deployment and Use**

Once installed, the system can be configured to authenticate in any of these three ways:

- 1) Ignore PKI certificates, and continue to authenticate users by logon name and password as the base product does; or
- 2) Collect and store PKI certificates, while continuing to authenticate users by logon name and password; or
- 3) Authenticate users with the PKI certificate presented by their browser. This configuration prohibits logon by user name and password.

After running the installer, BelManage is configured to collect and store certificates (#2 above). Users can logon to BelManage with user name and password, and any certificate presented by their browser is associated with that account. The Users Administration page can then be used to view or edit the certificate associated with each user account.

Once the system has had adequate time to collect most or all of the users' certificates, the configuration is changed to authenticate users with the certificate (#3 above). Users are no longer permitted to authenticate with a user name and password, and the system automatically logs users on when a certificate is presented. Entry of certificates is now done through the Users Administration web page, and automatic collection of certificates is disabled.

The certificate for a user may be obtained through an enterprise directory or a certificate file with the public key.

### **Term**

PKI Authentication Module includes a perpetual license.

### **Product Requirements**

BelManage system.

## “Maintenance”

Belarc’s Maintenance includes both product support and software updates. Details are as follows:

- Twelve months of Maintenance is required with initial license purchase of BelManage, Change History and BelSecure.
- Additional 12 months of Maintenance can be purchased at 20% of the Gross license fee
- Phone support during regular office hours (8:00 AM to 5:00 PM EST)
- Email support 7x24
- Support includes:
  - Explanations of proper installation and operation of the product
  - Product capabilities
  - Data captured and the supplied reports
  - General advice as to how to best make use of the product
  - Help in resolving operational problems of the product
  - Access to past and current training materials
  - Automated product information and support e-mailings
  - Access to Web seminars and training sessions.
- Support is provided by knowledgeable technical personnel
- Software Updates include:
  - All in-version software releases for the product(s) licensed.
  - Updated Microsoft security vulnerability definitions.
- Maintenance coverage shall be continuous; each Maintenance coverage period shall start at the previous expiration date, and cover both the period from expiration to the present (if any) and the period from the present to the end of the new period. Maintenance periods shall be 12 months or longer.

### Contact us:



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