

# Wave for BitLocker® Management

*Automated Policy Management for Microsoft® BitLocker Encryption*

## Key Benefits:

- ✓ Simplifies deployment and ongoing management by eliminating the burden of writing and maintaining custom scripts
- ✓ Reduces costs with the addition of centralized control for activation, deployment and on-going management
- ✓ Increases security with the addition of centralized policy enforcement, protected recovery credentials and supervision of the Trusted Platform Module (TPM)
- ✓ Adds an authority of proof that data is protected in the event of a lost or stolen PC

## Wave for BitLocker Management

Microsoft Windows® 7 comes with an embedded software encryption application called BitLocker. Unlike other stand-alone software-based full disk encryption (FDE) applications, the tight platform integration of BitLocker and its use of the Trusted Platform Module (TPM), an embedded security chip in virtually all PCs, makes it a good starting point for data-at-rest protection for organizations moving to Win 7.

Wave for BitLocker Management provides a comprehensive set of tools to automate and secure the configuration and administration of Microsoft BitLocker. Wave's software organizes the core Microsoft capabilities into a simple and intuitive administrative application for setting up and maintaining BitLocker clients. Wave for BitLocker Management eliminates the cost and complexity associated with creating custom scripts and Active Directory schema extensions, associated with BitLocker. In addition, Wave's software provides a more secure BitLocker environment through the automation of the Trusted Platform Module (TPM), for strong key protection, the encryption of BitLocker recovery passwords and the monitoring of BitLocker client configuration settings.

## Centralized Encryption Management

Organizations, both large and small, understand that centralized encryption management is a critical component to their security architecture. Wave's software provides the policy-based access controls, comprehensive reporting, directory services integration, centralized control and end-user access recovery. Companies require these capabilities to cost effectively implement and manage data encryption and, most importantly, prove that data is protected in the event that a computer (or its hard drive) is lost or stolen.

## Manageability and Control

Wave for BitLocker Management provides a full set of capabilities to remotely search for, initialize, configure and administer a global deployment of BitLocker clients. Through native integration with Microsoft Active Directory and the use of Windows Group Policy Objects (GPO), assigning users and associated policies can be performed within the directory framework — dramatically simplifying deployment, thus accelerating the use of BitLocker encryption.

- Microsoft Management Console (MMC) snap-in provides both single user and group level control
- Fully compatible with Windows Management Instrumentation (WMI)
- Delegated role-based administration with pre-defined tasks for Enrollment Agent, Help Desk, Security Officer and System Administrator
- Support for non-domain computers
- Automates TPM ownership and control for greater security



Simplifying Encryption and Authentication

## Access Recovery and the Help Desk

Wave for BitLocker Management reduces the operational costs associated with BitLocker by providing centralized access recovery and role-based Help Desk functions. Using TPM-based access controls improves the security BitLocker provides and in doing so binds the hard drive to a particular PC. Wave for BitLocker Management provides remote reset and re-provisioning of TPM-based access credentials without requiring the drive contents to be decrypted and subsequently re-encrypted. This facilitates a smooth migration of a drive from one PC to another in the event of hardware failure and, in addition, provides access recovery for users who have forgotten their TPM PIN.

The use of “roles” allows organizations the ability to define and delegate tasks within groups, while functioning across the organization — off-loading non-IT specific tasks to other individuals, such as help-desk personnel. Wave for BitLocker Management can be used to manage role definitions, task definitions and role assignments. Wave’s pre-defined browser-based Help Desk role allows for:

- Drive migration in the event of a damaged PC motherboard
- User access recovery in the case of lost or forgotten access credentials
- Changing access rights when a PC is passed from one employee to another
- Periodically changing access credentials based on internal policy

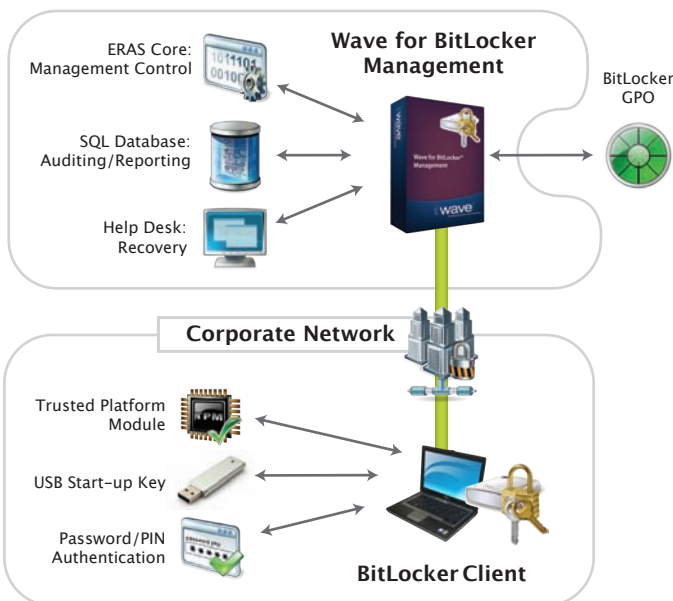
## Auditing and Reporting

Wave for BitLocker Management comes with a standard set of activity reports that can be used to provide the status of your enterprise-wide BitLocker installation. In addition to static reports, Wave for BitLocker Management also generates detailed server logs of all BitLocker events on a per machine basis. These logs include a real-time view of when BitLocker is initialized, locked and unlocked and when access passwords and recovery keys are created or changed. Wave for BitLocker Management reports and server logs are essential tools for compliance — delivering a secure record of proof that data was protected in the event of a lost or stolen PC.

- Logs include activation/deactivation, user access, PIN reset and password recovery events
- Reports are comprised of standard and ad hoc queries with detailed information on both user and device status
- Provides export of the full log database for assimilation with 3rd-party reporting tools for graphic rendering and complex data analysis

### Fast Facts:

- ✓ Provides remote discovery and activation of BitLocker client machines
- ✓ Enforces consistent policy settings across BitLocker clients
- ✓ Secures BitLocker recovery passwords in an encrypted database
- ✓ Logs that have access to BitLocker recovery passwords and can record their usage
- ✓ Reports on the state of BitLocker settings, keeping an active log of changes
- ✓ Monitors all BitLocker events for activation, policy management and user access and recovery
- ✓ Simplifies TPM activation for BitLocker key protection and core route of trust measurement (CRTM)



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