

# FortiDB™

## Centralized Database Security for Distributed Networks



### Centrally Managed Policy Compliance

The FortiDB family of appliances and software delivers a complete Database and Application security product line. It delivers centrally managed security, audit policy compliance and vulnerability management (VM) for data and applications across your extended enterprise. FortiDB enables you to meet the challenges of increasing access to your business-critical data in ERP, CRM, or SCM systems while decreasing the threat of data breach. Its sophisticated database activity monitoring (DAM) and advanced reporting automatically documents your policy compliance with internal policies as well as government or industry regulations such as PCI-DSS, SOX, Basel II, GLBA, and HIPAA.

### Comprehensive Monitoring

FortiDB enforces acceptable use policies and alerts on database security threats. It continuously monitors all access to personally identifiable data (PID) residing in your databases. FortiDB's full-featured monitoring and auditing technology manages critical policy issues such as change control, internal controls, privileged user monitoring, and privacy protection as well. Its change control features keep track of all changes related to database structures and users. This includes both Data Definition Language (DDL) and Data Control Language (DCL). Native audit provides completeness and accuracy of audit data for both host based and remote connections. Additionally there is an agent based option for audit data collection which does not require the native audit to be turned on.

### Detect Weaknesses Automatically

FortiDB's Vulnerability Management features automatically detect new security weaknesses, policy noncompliance. In addition there is a Discovery function which detects the addition of new databases to your network. FortiDB appliances and software ship with hundreds of preconfigured policies that address industry and governmental requirements, as well as security best practices. They include a comprehensive set of standards-based reports that provide specific, actionable information. The FortiGuard Global Threat Research Team provides dynamic policy and signature updates. This industry-leading research and remediation advice enables you to strengthen the integrity and security of your databases quickly and effectively.

### FortiDB Eases Regulatory Compliance

FortiDB satisfies multiple Payment Card Industry Data Security Standard (PCI-DSS) requirements, Auditing access to sensitive data among them. Deploying FortiDB with FortiGate integrated threat management platforms enables you to satisfy a majority of PCI-DSS requirements.

FortiDB also supports database compliance with risk assessment to help establish an environment of accountability as required by sections 302, 404, and 409 of the Sarbanes-Oxley (SOX) act. Similarly, FortiDB predefined policies for commercial and investment banks simplify compliance efforts as a result of the provisions of the Gramm-Leach-Bliley Act (GLBA).

Features	Benefits
----------	----------

**Centralized policy configuration and enforcement**

Simplifies the creation and enforcement of data protection policies, which reduces the risk of data loss while increasing policy compliance

**Vulnerability management**

Provides valuable remediation advice after security weaknesses had been discovered in various databases

**Captures all types of database activities (Select and DML) including DDLs and DCLs**

Captures Security related activities and also provides integration with Change Management Systems to ensure end-to-end visibility of managed systems

**Supports virtualized environments**

Ensures comprehensive policy compliance enforcement in both virtualized and standard environments



The FortiDB Family

FortiDB	FortiDB-400B	FortiDB-1000B	FortiDB-2000B
Hardware Specification			
Security Hardened Platform	Yes	Yes	Yes
Number of Licensed Database Instances	10	30	60
10/100/1000 Interfaces	4	4	4
RAM	2 GB	2 GB	4 GB
Number of Hard Drives	1	1	1
Total Hard Drive Capacity	500 GB (1 TB option)	1 TB (2 TB option)	1 TB (6 TB option)
Storage Key (Boot Image)	1 GB Compact Flash	1 GB USB	1 GB USB
Redundant Hot Swappable Power Supplies	No	No	Yes
Hardware Form Factor	Rack Mount (1-RU)	Rack Mount (1-RU)	Rack Mount (2-RU)
Dimensions			
Height	1.7 in (4.5 cm)	1.7 in (4.5 cm)	3.5 in (8.9 cm)
Width	17.25 in (33.7 cm)	16.7 in (42.7 cm)	17.5 in (43.8 cm)
Length	14.5 in (36.8 cm)	30.4 (77.2 cm)	27.5 in (69.8 cm)
Weight	10 lbs (4.5kg)	35.8 lbs (16.3 kg)	55.3 lbs (25.1 kg)
Environment			
AC Power Required	100 – 240 VAC, 50 – 60 Hz, 4.0 Amp (Max)	100 – 240 VAC, 50 – 60 Hz, 4.8 Amp (Max)	100 – 240 VAC, 50 – 60 Hz, 9.4 Amp (Max)
Auto-Switching Universal	110/220 Volts	110/220 Volts	110/220 Volts
Power Consumption (AVG)	121 W	276 W	317 W
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	50 – 94 deg F (10 – 35 deg C)	50 – 94 deg F (10 – 35 deg C)
Storage Temperature	-31 to 158 deg F (-35 – 70 deg C)	-40 to 149 deg F (-40 – 65 deg C)	-40 to 149 deg F (-40 – 65 deg C)
Humidity	20 to 95% non-condensing	5 to 95% non-condensing	20 to 80% non-condensing
Compliance			
	FCC Class A, CE, UL/CB/CUL	FCC Class A Part 115 / CE Mark	FCC Class A Part 115 / CE Mark
Supported Platforms			
Database	DB2 UDB V8 (VA only), DB2 UDB V9.x (VA only), DB2 UDB V9.5, MS SQL Server 2000, MS SQL Server 2005, MS SQL Server 2008, MySQL 5.1, Oracle 10 gR1 (VA only), Oracle 10gR2, Oracle 11g, Sybase ASE 12.5 (VA only), Sybase ASE 15.x		
Repository Database	Apache Derby 10.x, Microsoft SQL Server 2005, Microsoft SQL Server 2008, Oracle 10gR2, PostgreSQL 8.3		
Browser	Internet Explore 7.x, Firefox 3.x		

## FortiDB Software

Fortinet also gives you the ability to deploy FortiDB database security software on a range of software platforms. You can install FortiDB on Red Hat Linux, AIX, Solaris 10, Windows XP/Vista, Windows Server 2003, as well as virtualized environments. FortiDB software delivers the same centralized policy management for vulnerability management and database activity monitoring as FortiDB appliances.

## Complete Security Solution

FortiDB is part of Fortinet's comprehensive portfolio of security gateways and complementary products that deliver a powerful blend of integrated multi-threat protection, ASIC-accelerated performance, and constantly updated, in-depth threat intelligence.

This unique combination delivers the highest level of network, content, and application security for organizations of all sizes, including managed service providers and telecommunications carriers. Fortinet's integrated approach improves your security posture while reducing your total cost of ownership and providing you with a flexible, scalable path for expansion.

The Fortinet portfolio includes:

- FortiGate® Network Security
- FortiAnalyzer™ Centralized Reporting
- FortiMail™ Messaging Security
- FortiManager™ Centralized Management
- FortiClient™ Endpoint Security
- FortiWeb™ Web Application Security
- FortiScan™ Vulnerability Management

**FortiGuard® Security Subscription Services deliver dynamic, automated updates for Fortinet products. The Fortinet Global Security Research Team creates these updates to ensure up-to-date protection against sophisticated threats. Subscriptions include antivirus, intrusion prevention, web filtering, antispyware, vulnerability and compliance management, application control, and database security services.**

**FortiCare™ Support Services provide global support for all Fortinet products and services. FortiCare support enables your Fortinet products to perform optimally. Support plans start with 8x5 Enhanced Support with "return and repair" hardware replacement or 24x7 Comprehensive Support with advanced replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and 90-day limited software warranty.**



### GLOBAL HEADQUARTERS

Fortinet Incorporated  
1090 Kifer Road, Sunnyvale, CA 94086 USA  
Tel +1.408.235.7700  
Fax +1.408.235.7737  
www.fortinet.com/sales

### EMEA SALES OFFICE – FRANCE

Fortinet Incorporated  
120 rue Albert Caquot  
06560, Sophia Antipolis, France  
Tel +33.4.8987.0510  
Fax +33.4.8987.0501

### APAC SALES OFFICE – SINGAPORE

Fortinet Incorporated  
61 Robinson Road, #09-04 Robinson Centre  
Singapore 068893  
Tel +65-6513-3730  
Fax +65-6223-6784

Copyright© 2009 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, and FortiGuard®, are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance metrics contained herein were attained in internal lab tests under ideal conditions. Network variables, different network environments and other conditions may affect performance results, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding contract with a purchaser that expressly warrants that the identified product will perform according to the performance metrics herein. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any guarantees. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable. Certain Fortinet products are licensed under U.S. Patent No. 5,623,600.