

HITACHI FINGER VEIN SERVER

Finger Vein Server (FVS) is the heart of Hitachi's finger vein (FV) biometric solution for Retail Banking.



A MODULAR CLIENT-SERVER SYSTEM DESIGNED TO SUPPORT HIGH AVAILABILITY AND LARGE VOLUME TRANSACTION PROCESSING, IT TAKES CARE OF ALL ASPECTS OF MANAGEMENT OF BIOMETRIC BANKING TRANSACTIONS FOR BRANCH AND SELF-SERVICE CHANNELS.

OPTIONAL MODULES PROVIDE FOR: AUTHENTICATION OF AND CREATION OF DIGITAL SIGNATURES (BioPKI), MANAGEMENT OF MULTI-MODAL BIOMETRIC SYSTEMS (BioHUB), CENTRALISED AUTHORISATION PROCESSING (AUTHORISATION MODULE), FV MONITOR MANAGEMENT, AND CONTENT MANAGEMENT FOR DISPLAY VIA FV MONITORS.



FEATURES

Finger Vein Server Datasheet



FV device management.



Teller business rules.



Authentication processing.



Evidence security logging.



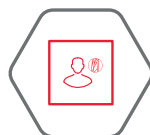
Firewall configuration.



**Signed system logs,
prevents tampering.**



Firmware reloading.



Signature generation/validation.



Diagnostics & reloading.



**Thales nShield Hardware Security
Module (HSM) for signing (secure
code) and key protection.**



Key management.



**Optional integration
with bank systems.**



Customer registration.



Encrypted biometric database.



Teller registration.



**Proxy module for open network
FV reader deployments.**



Logging and audit trail.

ITEM	DESCRIPTION
Technology/interfaces:	Java™, Web Services API
FV server:	Base Module
Switch module:	Inter-bank VeinID transactions
Host module:	Multi-Tenant support
BioPKI module:	DS ¹ creation via HSM, DS ¹ authentication by VeinID
BioPKI CA server:	DC ² Life-cycle Management
ATM module:	VeinID for Self-Service devices
Monitor module:	Supports network monitors
Content management:	Content handling module
DAT server:	Timestamp server

SYSTEM REQUIREMENTS

SERVER TYPE	HARDWARE	SOFTWARE
Queueing	2 x 1 core CPU 2GHz, 2GB RAM, 2 x 50GB HDD	ActiveMQ™, Red Hat® Enterprise Linux® 5.9 (64-bit)
Database	2 x 2 core CPU 2GHz, 2GB RAM, 2 x 500GB HDD	Oracle 11g/PostgreSQL on Red Hat® Enterprise Linux® 5.9 (64-bit)
Web server	2 x 1 core CPU 2GHz, 4GB RAM, 2 x 20GB HDD	Apache
Application	2 x 2 core CPU 2GHz, 8GB RAM, 2 x 100GB HDD	JBoss 6.2 with FVS installed, IBM®WebSphere® [from v6.0]
BioPKI	2 x Intel E5-2440, 16GB RAM, RAID 300GB, 2 x 1GB Ethernet	Microsoft Windows®2012 Std, PostgreSQL 9.1, Apache Tomcat, Java™ 7
BioPKI CA	2 x Intel E5-1230, 8GB RAM, RAID 300GB, 2 x 1GB Ethernet	Microsoft Windows®2012 Std, MS SQL-server

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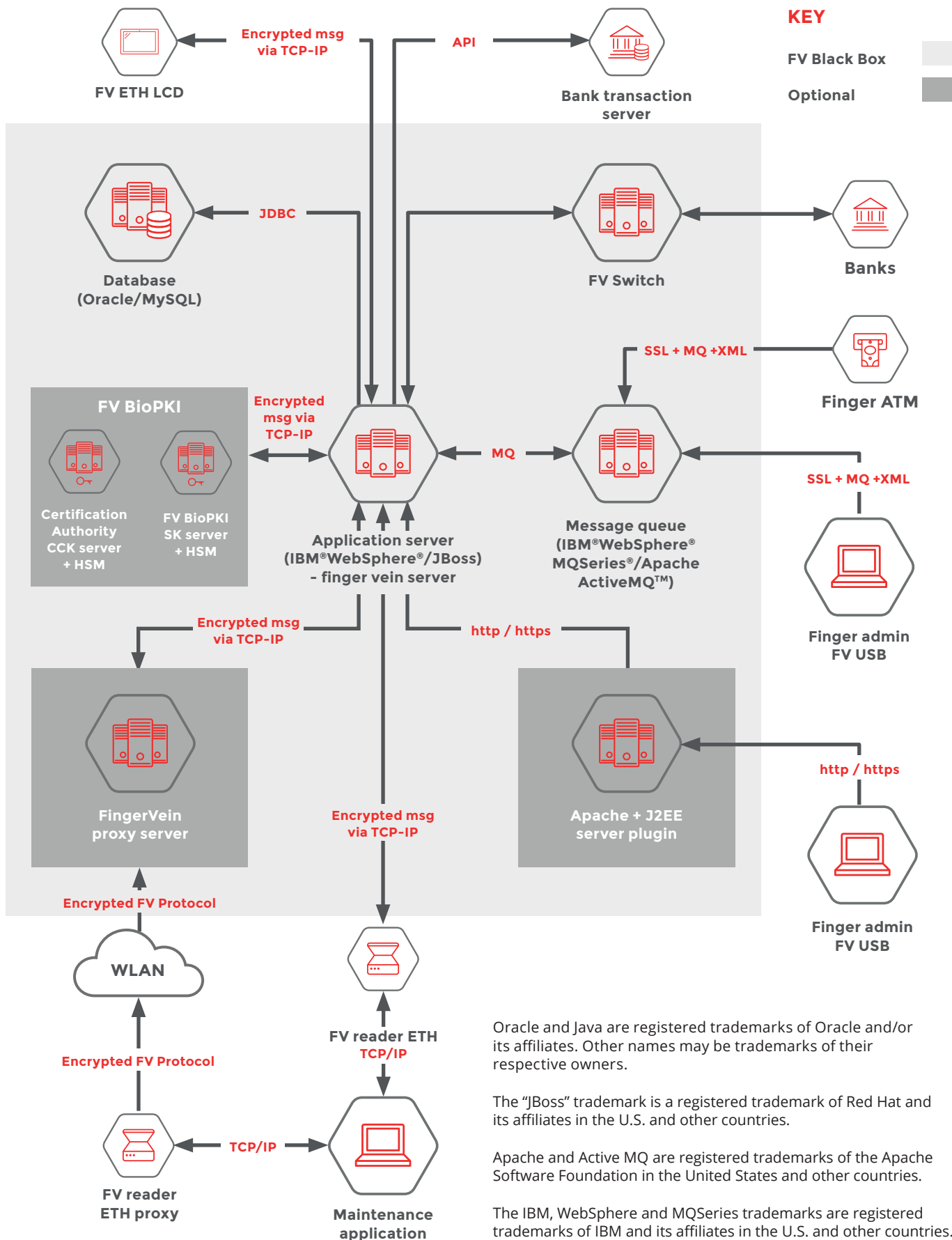
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¹ DS = Digital Signature.

² DC = Digital Certificate.



FURTHER INFORMATION

Please contact Hitachi Europe Limited for further information about Hitachi's finger vein technology, applications and devices.

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