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CORE CA SOLUTION FOR BANKING - SECURITIES

Bkav CoreCA

 *Just be yourself !*

About BkavCoreCA®

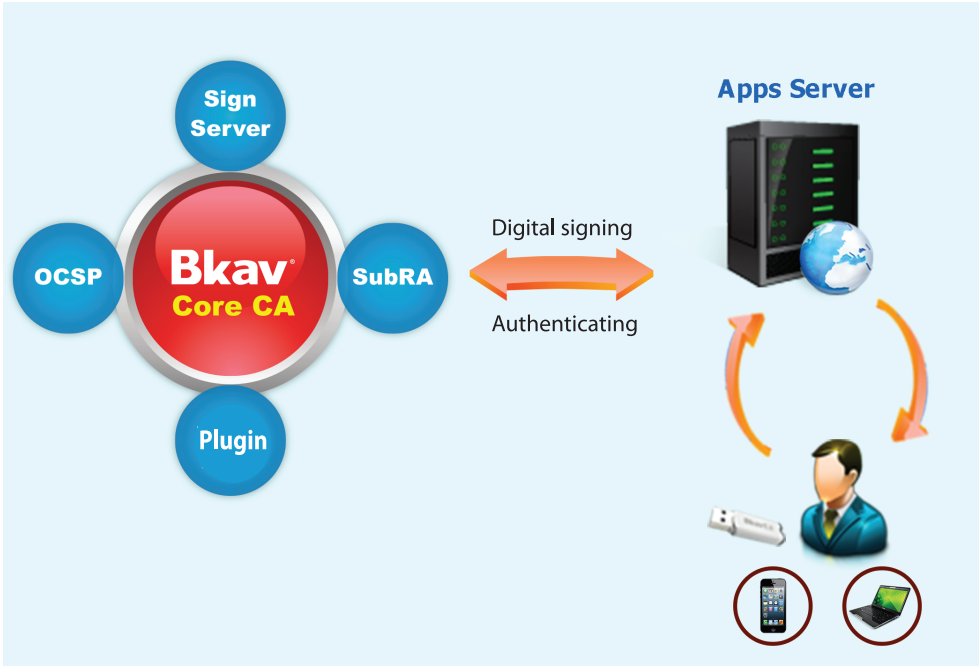
Bkav Core CA Solution includes centralized signing system (SignServer), local Registration Authority (SubRA), and a certificate status which is available in real-time through OCSP Responder (Online Certificate Status Protocol). Systems are integrated transparently into e-Securities and Internet Banking business, therefore, all online transactions are certified and secured.

About Bkav

Established in 1995, Bkav Corporation is the leading firm in network security, software, smartphone manufacturing and smarthome. In the field of network security, antivirus and mobile security softwares of Bkav have been present in more than 100 countries all over the world. The corporation has preeminent security experts. Bkav is known as the security firm to discover the first critical flaw in Google Chrome just days after its launch in 2008. Bkav was also the firm to trace the master server in Britain of unprecedentedly massive DDoS attacks targeting US and Korean governments' websites in July, 2009.

Bkav Corporation is known as a manufacturer of security appliances such as intrusion prevention system Bkav Network Inspector, Bkav Antispam GW, Bkav WebSecurity Scan. Bkav is also providing collaboration software products (messenger, workflow management, mail, video conference).

In electronics industry, Bkav is a smartphone and smarthome manufacturer. With Bkav SmartHome, every equipment in your house will be connected and controlled automatically based on smart context scenarios via touch screen or tablet, hence creating a convenient, safe and energy-saving living environment.



Core CA Solution for Banking - Securities

Why choose BkavCoreCA®

BkavCoreCA® is comprehensive platform solution that can be transparently integrated into all operations, applications and transactions in banking and securities

Certificate authority is internationally recognized as legal solution. It can solve thoroughly all security risks when making online transactions. Therefore, most banks and securities companies worldwide have used digital certificate authority instead of other authentication methods such as password, One Time Password (OTP) which contain inherent risks in transactions requiring high security. (OTP Token is not recognized as legal solution and can be attacked in phishing).

BkavCoreCA[®] provides full range of functions applying certificate authority via standardized interfaces and services. This makes solution integrating into banking – securities business system become transparent.

Bkav[®]
CoreCA



Digital signature Plugin

Digital signature Plugin is integrated on Internet Banking and e-Securities services, which allows customers to use digital signing and certificate authority validation.

Digital signature Plugin is compatible with all browsers, including Internet Explorer, Firefox, Chrome, etc.

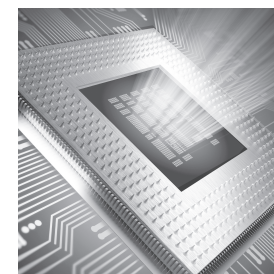
Centralized signing system (SignServer)

SignServer provides digital signature service representing banks, securities companies. When in need of using digital signature, application servers use digital signature service of SignServer to sign up in transactions and documents. SignServer deployment helps to simplify integration of certification authority application, reducing changes made to available system.

SignServer can be either deployed as a dedicated appliance or installed on the server.



**BkavCoreCA[®] CA SOLUTION
FOR BANKING – SECURITIES**



OCSP Responder

Digital signature authenticating and checking system OCSP allows detecting transactions whose contents have been changed, as well as ensuring a valid digital signature at the time of transaction.

OCSP can be either deployed as a dedicated appliance or installed on the server.



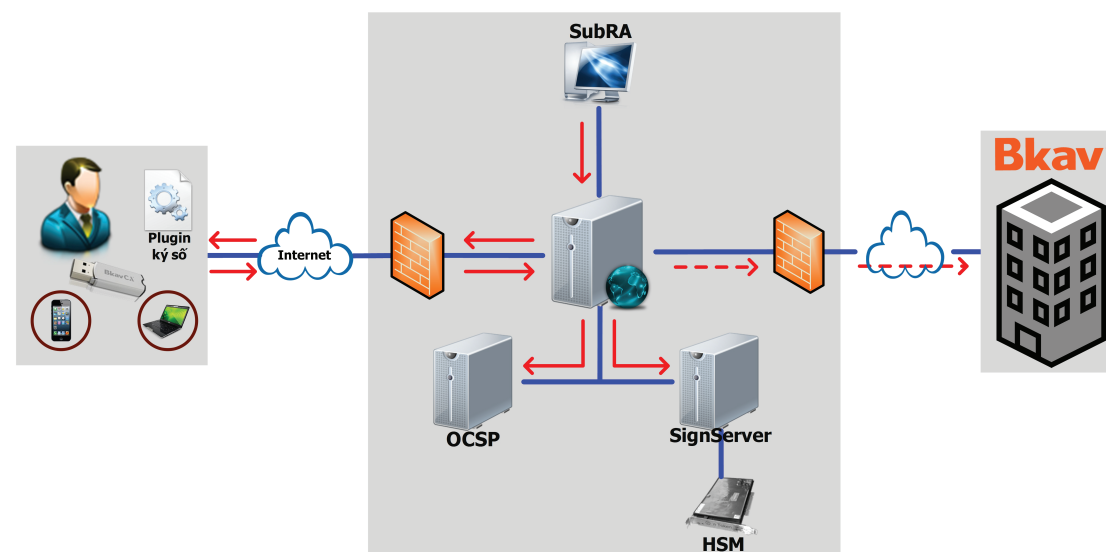
Local Registration Authority (SubRA)

Thanks to SubRA system, customers are issued directly with certificate authority from banks, securities companies.



Operating model

e-Securities and Internet Banking transactions will be certified and secured after deploying **BkavCoreCA[®]**



Operating model of Bkav Core CA

BkavCoreCA[®] Integration model

- Customers are issued with certificate authority from banks, securities companies through SubRA system.
- Customers log in e-Securities and Internet Banking services to conduct transactions. These transactions are digitally signed with digital signature Plugin and submitted to the application server. Transactions can be executed on a computer or mobile device.
- Application server authenticates and checks Certificate Authority on a transaction via OCSP system.
- Application server signs up on feedback result for customer via SignServer system.