



Security Server

Centralized access management for SMP Gateway and IED Manager Suite

The Yukon IED Manager Suite (IMS) provides system administrators with a complete suite of software applications to remotely manage all installed intelligent electronic devices (IEDs). The Yukon IMS Security Server integrates with Microsoft active directory to provide a single sign-on to all IMS applications and managed field devices.

The Yukon IMS Security Server connects to your existing corporate security infrastructure and provides centralized authentication and authorization services .

- Single sign-on and central security database
- Secure access to all Cooper Power Systems products and all connected IEDs
- Simplified permissions management for Cooper Power Systems products
- Compliant with applicable NERC-CIP standards

Features and Benefits

Comply with NERC CIP-004 and CIP-007

- Add, modify and remove access rights from a central location, rapidly
- Implement central monitoring and reporting
- Track user access to critical substation cyber assets
- Hide IED and gateway passwords from users
- Compatible with your existing two factor authentication systems such as RSA SecurID and Entrust when, using single sign-on

Take advantage of your existing security infrastructure

- Single sign-on to all applications, including Cybectec products
- Benefits from any available two-factor authentication system
- Increase access security to Cooper Power Systems' Cybectec products

Centralize user management

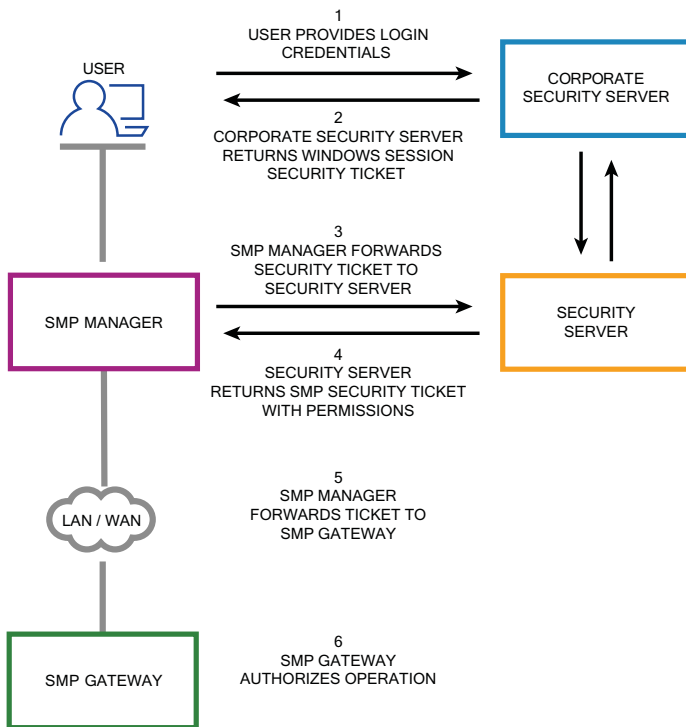
- Revoke access rights quickly, from a central application
- Implement a global system for substation device access using your corporate authentication infrastructure
- Review user accesses periodically from a single system
- Specify operations that users can perform with Cooper Power Systems' Cybectec products

Centralize permission management

- Define groups of users
- Define groups of SMP Gateways and IEDs
- Define permission groups
- Assign users to groups to define access permissions

Multiple Reporting functions

- Immediate Authentication Failure Report
- Daily Logon Report Report
- IED Password Report
- User Access Report



Hardware System Requirements

The following table lists the recommended minimum hardware requirements for the Security Server:

COMPONENT	REQUIREMENT	NOTES
Processor	1 single-core 3 gigahertz (GHz) or faster Intel-compatible processor, or 1 dual-core 2 gigahertz (GHz) or faster Intel-compatible processor	None.
Memory	Minimum: 2 gigabytes (GB) of RAM	This recommended memory configuration is suggested as a way to optimize performance for Security Server. Performance will vary depending on the number of users configured in the system.
Paging file size	Equal to the amount of RAM in the server plus 10 MB	None.
Disk space	At least 30 GB for OS and application partition, of which 500 MB are required to install Security Server. An additional 30 GB on RAID1, RAID3 or RAID5 disk array for data and logs	Disk space requirements vary depending on the number of users configured in the system.
Drive	DVD-ROM drive, local or network accessible	None.
Screen resolution	1024 x 768 pixels or higher	None.
File format	Disk partitions formatted as NTFS file systems, which applies to the following partitions: <ul style="list-style-type: none"> • System partition • Data partition 	None.
Network adaptor	100/1000 Mbs Ethernet adaptor	None.

Software System Requirements

The following table lists the recommended minimum software requirements for the Security Server:

COMPONENT	REQUIREMENT	NOTES
Operating System	Operating system on a computer that has a 32-bit processor for testing and training environments only	One of the following: <ul style="list-style-type: none"> • Windows® Server 2003 Standard Edition with SP2 • Windows® Server 2003 Enterprise Edition with SP2 • Windows® Server 2003 R2 Standard Edition • Windows® Server 2003 R2 Enterprise Edition
Microsoft® .NET™	Microsoft® .NET™ Framework Version 2.0	None.
Microsoft® Active Directory®	Must be accessible from Security Server Users and Security Server must be a member of the same Active Directory domain.	Required for single sign-on and two-factor authentication.
Microsoft® Core XML Services (MSXML)	Version 4.0	Required during installation. Available on Installation disk.
Database	Microsoft® SQL Server® 2005	One of the following: <ul style="list-style-type: none"> SQL Server® 2005 Enterprise Edition SQL Server® 2005 Standard Edition SQL Server® 2005 Workgroup Edition

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