



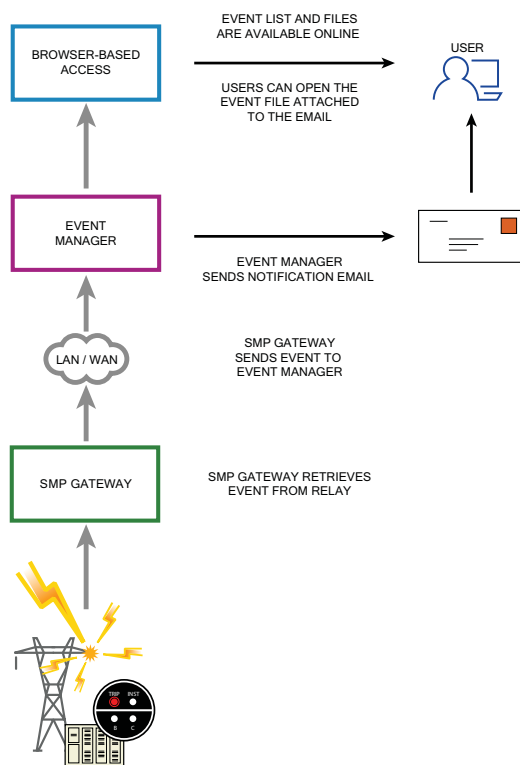
Event Manager

Automated processing for power events

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 Event Manager provides corporate-wide access to fault, event, and disturbance data from substation devices.

Event Manager automatically retrieves event files from protective relays, notifies the proper users and sends the data file along with the notification. Users can then analyze the problem and eventually restore service by remote connection to the affected device.

- Instant, automatic email notification of protective relay trips and power disturbances
- Online equipment status and data access
- Browser-based access to event history and event files



Features and Benefits

Sophisticated notification

- Automated email notification
- Event file automatically attached to the message
- Events can be sent to several users at a time

Remote access

- Download event and waveform files using a web browser
- Diagnose the event remotely
- Reduce substation visits

Efficient team management

- Dispatch alarms based on region and type of event
- Manage user access based on geography or teams
- Browser-based acknowledge mechanism means one person takes ownership of the alarm

Event Retrieval

- Automatic upon event occurrence, when using a SMP Gateway
- Scheduled at configurable intervals
- On demand via web interface
- Keep event history for multiple-event analysis

Reporting functions

- Daily event report
- Daily acquisition report

Hardware System Requirements

The following table lists the recommended minimum hardware requirements for the Event Manager 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 Event Manager. Performance will vary depending on the number of IEDs 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 Event Manager. An additional 100 GB on RAID1, RAID3 or RAID5 disk array for data and logs	Disk space requirements vary depending on the number of IEDs configured in the system and the number of events stored for each IED.
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.
Serial ports	Required for modem communications Required for X.28 communications	Serial ports not required if all communication is done via network adaptor.

Software System Requirements

The following table lists the recommended minimum software requirements for the Event Manager 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	
Simple Mail Transfer Protocol (SMTP) service	Must be accessible from Event Manager server.	None.
Internet Information Services (IIS)	World Wide Web Publishing Service (W3SVC) ASP.NET version 2.0	You must install IIS by using Add or Remove Programs in Control Panel.
Microsoft® Core XML Services (MSXML)	Version 4.0	Required during installation. Available on Installation disk
Domain Name Server (DNS)	Must be accessible from Event Manager server.	
Windows Internet Name Service (WINS)	Must be accessible from Event Manager server.	Required for file pushing from SMP Gateway
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

Connections

NETWORK	TOPOLOGY	DEVICES	GATEWAYS
<ul style="list-style-type: none"> • TCP/IP • Dial-up (PSTN) • X.28 	<ul style="list-style-type: none"> • Directly connected • Connect to one gateway • Connected to multiple cascading gateways 	<ul style="list-style-type: none"> • SEL relays • GE UR series relays 	<ul style="list-style-type: none"> • SMP Gateways • SEL 2020 and 2030

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