IEDSmart Release Notes

Version 2.1.0 Build 31 September 23, 2016

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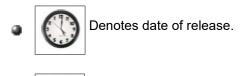
Introduction

This release notes cover release information of the IEDSmart. The release notes contain the following sections:

- Features of IEDSmart 2.1.0
- Environment Hardware and software requirements.
- Installation and configuration information.
- Known restrictions and limitations.
- Release details of previous versions.
- Documentation.
- Global Support.

Documentation Conventions

The documentation conventions followed in the document are as follows:





Denotes newly added features.

Denotes bugs fixed.

Application Version History

The following table gives the application version history.

Version	Date	Details
1.0.0	March 3, 2008	Primary Version
1.1.0	October 22, 2008	Supports SBO, added GOOSE subscriber.
1.2.0	November 11, 2008	Server updated to SISCO's 5.10 stack.
1.3.0	December 16, 2008	Added event generator.
1.4.0	December 20, 2008	Added MAC address based license.
1.5.0	January 1, 2009	Enhanced SGCB module, added Auto run option.
1.6.0	January 5, 2009	Enhanced Watch window options.
1.7.0	February 2, 2009	Added network card selection, bug fixes in the GOOSE module.
1.8.0	June 1, 2009	Bug fixes in SCL parsing module.
1.8.1	July 5, 2009	Added more logging options.
1.8.2	August 20, 2009	Bug fixes.
2.0.0	November 22, 2013	Added CSV, Script based simualtion
2.1.0 Build 29	August 22, 2016	Added Sentinel licensing
2.1.0 Build 30	September 22,2016	Updated About window
2.1.0 Build 31	September 23,2016	Updated About window

Features of IEDSmart 2.1 Build 31



Update About window

Features of IEDSmart 2.1 Build 30



• Update About window

Features of IEDSmart 2.1 Build 29



Added Sentinel licensing

Features of IEDSmart 2.0



- Added CSV simuation
- Added Script based simulations
- Bug fixes

Features of IEDSmart 1.8.2



- User can load SCL/ICD/CID files which follows standard IEC61850 schema to simulate server configurations.
- Multiple domain support inside an IED.

IEDSmart

- Tree view of the IEC 61850 variables.
- GOOSE publisher as per SCL GOOSE control blocks.
- GOOSE subscription as per SCL GOOSE control blocks and CID's private information.
- User can view Settings Group Control Block (SGCB) information.
- Network card selection from the available list of Ids for GOOSE.
- Event generation for the user configured IEC 61850 variables.
- File based license.





Fixed issues with File Service module.

Environments

This section specifies the hardware and software requirements to run IEDSmart.

Hardware Requirements

The hardware requirements are stated as follows.

Requirement	Description	
	Required	Recommended
CPU	Pentium 3, I Giga Hertz (G HZ) processor	
Port	USB.	
RAM	512 MB	

Table 1: Hardware Requirements

Software Requirements

The software requirements are stated as follows.

Requirement	Description		
	Required	Recommended	
Operating System	Windows XP, Windows 7, Windows 8, Windows 10	Windows 7	
Dotnet Framework	.NET Framework 3.5		

 Table 2: Software Requirements

Installation and Configuration Information

For installation, and configuration information specific to this product, refer to the IEDSmart User Manual.

Release Details of Previous Versions

IEDSmart Version 1.8.1





- Added more logging options.
- IEDSmart Version 1.8.0





Fixed issues with SCL parsing module.

Documentation

We provide the User Manual (PDF) version along with the installation package.

Global Support

Contact: support@ase-systems.com for further clarifications and details.

List of Abbreviations

- CID: Configured ICD Description.
- ICD: IED Capability Description.
- IED: Intelligent Electronic Device.
- LN: Logical Nodes.
- MMS: Manufacturing Message Specification.
- SCD: Substation Configuration Description.
- SCL: Substation Configuration Description Language.
- SLD: Single Line Drawing.
- SSD: System Specification Description.