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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 date of release.
- Denotes newly added features.
- Denotes bugs fixed.
## Application Version History

The following table gives the application version history.

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

August 2009

Fixed issues with File Service module.

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**Environments**

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

**Hardware Requirements**

The hardware requirements are stated as follows.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Pentium 3, 1 Giga Hertz (GHz) processor</td>
</tr>
<tr>
<td>Port</td>
<td>USB.</td>
</tr>
<tr>
<td>RAM</td>
<td>512 MB</td>
</tr>
</tbody>
</table>

*Table 1: Hardware Requirements*
Software Requirements

The software requirements are stated as follows.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>Windows XP, Windows 7, Windows 8, Windows 10</td>
</tr>
<tr>
<td>Dotnet Framework</td>
<td>.NET Framework 3.5</td>
</tr>
</tbody>
</table>

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**
  - June 01, 2008
  - 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.