smartzone™ G5

G5 Upgrade Tool, v3.0.1.0 – General Release

Contents

General

These release notes are intended for the G5 Upgrade Tool software application. The G5 Upgrade Tool will upgrade 1 to many PDUs, push the configuration to a range of PDUs and will take a custom CSV file and configure list of PDUs with the details. The G5 Upgrade Tool provides both a GUI and a CLI.

Supported Hardware

Tested Application Compatibility

Hardware	Minimum Required Firmware to support Release	Notes
G5 Network Enabled PDU	V3.1.10	Upgrade from 2.x.x is supported Configuration is support on version 3.1.10 Upgrade from 2.x.x to 3.x.x is supported.
G6 Network Enabled PDU	V5.0.x	Upgrade from 5.0.x to 5.x.x is supported.

Supported Operating system

Windows 10 and newer

Released Production Files

Product Upgrade

Image Information
```
Filename: G5-Upgrade-Tool-3-0-1-0-Windows.zip
Version: 3.0.1.0
CRC32: dedf907a
MD5: 22493294fe8b5da5de52f313edbb3303
SHA256: 833b332a7df5ed5e8d60ee0419b7681fc4fcc192c84f8474b972395dde7bb542
SHA512:
7d5733153de9622acc3b7546392cd4566ce724bb5a4b498806f6d715256373b426300cf0e9afc
8f36aafbb9852fd92603816bceebabdfcd0c5170e8bbe7556a1
Filesize: 56005852 bytes
```

New Features

New Features added in version 3.0.0.0

- The user can configure SNMP v2c or SNMPv3 credentials required for accessing the devices.

- IPv6 addresses are supported.

- G6 PDUs are supported.

New Features added in version 2.3.0.0

- An 'Automatic' option was added to the Firmware Version options, to support automatically choosing the appropriate firmware version based on the device's firmware version. This supports the G5 4.x.x firmware load line.

New Features added in version 2.2.1.0

- Primary features of Windows GUI are available on the CLI.

- Documentation on Protocol & Port usage.

New Features added in version 2.2.0.1

- Exposed the conf.ini and config.csv internal operations of GUT via CLI. Exposed names.csv function via CLI.

- SNMP v2 security improvement – use random credentials and use the IP address of the host running GUT.

- config.csv supports configuring the Sensor Name.

New Features added in version 2.1.1.0

- General Maintenance to support running in CentOS environment.

New Features added in version 2.0.0.0

- Ability to push a conf.ini file to many PDUs.

- Ability to configure unique system configuration (e.g. rack location and outlet names) through a CSV for individual cabinets. For complete list see completeCSV_g5mvp.csv

Resolved Issues

Issues resolved by version 3.0.1.0

Issue ID	Title
AS-89	SNMPv3 workaround for G6.
AS-88	SNMPv3 settings bug fix.
AS-86	SNMPv3 settings bug fix.
AS-84	G6 exception bug fix.

Issues resolved by version 2.2.2.0

Issue ID	Title
AS-48	Handle G5 beta firmware release versions in GUI. Handle upgrading from a beta to another beta.

Issues resolved by version 2.2.1.0

Issue ID	Title
AS-49	Downgrade option must work for both GUI and CLI incantations.
AS-44	Document ports and protocols used by G5-Upgrade-Tool.
AS-40	CLI: If no "--addr" is specified and no 'ip.txt' file exists, do not start an operation that requires an IP address.
AS-38	Fix copy/paste in CentOS documentation window.
AS-28	Add Linux package signing enduser documentation.
AS-21	Fix copy/paste in documentation/licenses.
AS-20	Fix copy/paste in Results box.

Issues resolved by version 2.2.0.1

Issue ID	Title
AS-43	Support the ability to change sensor names in LBT
AS-42	GUT configuration upload using CSV file: sometimes the PDU ignores the DHCP setting and sets PDU to the STATIC IP address.
AS-32	Primary GUI features were added to the CLI.
AS-32	The --namecfg names.csv feature was added to the CLI.
AS-31	config.csv: SNMP v2 configuration now writes to all 5 Managers, instead of always writing the first one.
AS-31	SNMP v2 access security has been improved. When SNMP v2 is required to perform an operation, the GUT tool discovers the IP of the GUT host as seen by the PDU and uses it;

Issue ID	Title
	also, the GUT tool generates random READ/WRITE community strings and then restores the community strings when done.
AS-26	If no --addr are passed to the GUT CLI and there are empty lines in the ip.txt file, the tool will generate an erroneous failure message. Workaround: Do not put empty lines in ip.txt.
AS-18	GUTv2 CENTOS had intermittent failures while configuring PDU. Worked on subsequent tries. Now will only emit an error message if the written outlet name change did not match.
AS-17	State management of login/logout was improved to fix an authentication issue.
AS-16	In config.csv, the Cabinet Number field is only processed if it has an IP address.

AS-0018   GUTv2 CENTOS had intermittent failures while configuring PDU. Worked on subsequent tries.

There could be failures while running the CSV configuration.

Workaround: Rerun the tool until everything passes.

Issues resolved by version 2.1.1.0

Issue ID	Title
None	

Issues resolved by version 2.0.0.0

Issue ID	Title
None	

Outstanding Issues

New Issues

The following reported problems have been found since the previous release and are still outstanding in this release.

Issue ID	Title	Version	Status
None			

Existing Issues

The following reported problems were found prior to the previous release and are still outstanding.

Issue ID	Title	Version	Status
AS-27	A loadexternallib feature requires more development.	2.2.0.0	In Dev

Release History

Revision	Date	Reason for Change
3.0.1.0	Aug 18, 2023	Resolve important issues found during test cycle.
3.0.0.0	Aug 8, 2023	Support G6 5.x.x firmware loads, SNMP configuration, IPv6 addresses.
2.3.0.0	Feb 1, 2023	Support "Automatic" firmware upgrade.
2.2.2.0	May 27, 2022	Support G5 beta firmware version numbers.
2.2.1.0	May 27, 2022	General Release. Linux, Windows. Linux code signing. CLI on Windows. Linux Copy/Select All fixes. Other bug fixes. Downgrade option fix.
2.2.0.1	May 4, 2022	Limited Release. Add CLI. Fix several bugs.
2.1.1.0	September 20, 2021	Limited Release. Updates to support CentOs7.9
2.0.0.0	June 24, 2021	Added Configuration Support
1.0.3.0	January 28, 2021	Initial Release – Upgrade only