**Medtronic MITG**

**Research & Development**

**System Patch Test Report**

**Gateway Device Management Platform v3.3 (Build 3.3.7)**

**RE00077032 Rev A**

|  |  |  |  |
| --- | --- | --- | --- |
| Issue Date: **Refer to Agile** | | | Page 1 of 10 |
|  | | | |
|  | | | |
| Revision History: | | | |
| Revision | SDA | Description | |
| A | RC076450 | Initial Release | |
|  |  | | |
|  |  | | |
| Author(s) Refer to Agile for approvals | | | |
| Jason Dai – Insigma US[Maunal Approval] | | | |

|  |
| --- |
|  |
| **Approvals:** Refer to Agile for approvals |
| William Atkison – QE, HI&M |
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**Table of Contents**

1 Introduction 3

2 References 3

3 Scope 3

4 Testing Targets 4

5 Test Configurations 4

5.1 Hardware Configurations 4

5.2 Software Configurations 5

5.3 Client Application 6

6 Test Results 7

6.1 Test Result Statistic 7

6.2 Defects/Changes Verification Results 7

6.3 ET Charters/Test Case Results 8

7 JIRA Tickets List 9

8 Conclusion 9

Appendix A – ET Session Notes and End To End Test Result 10

Appendix B – Test Results Certification 10

Appendix C – Issue Report 10

# Introduction

The purpose of this document is to provide a summary of the results of test performed as outlined within [1] System Patch Plan/Procedure v3.3.7.

# References

1. RE00077031, System Patch Plan/Procedure v3.3 Build 3.3.7, Rev B
2. RE00008729, System Exploratory Plan–Proc Gateway v3.0, Rev A
3. RE00077030, System IQ Test Report Gateway v3.3 Build 3.3.7, Rev A

# Scope

This patch release v3.3(Build 3.3.7) is to fix 3 defects listed in the table in section 6.2.

So the scope of testing is to verify that –

* All the listed defects are fixed.
* All the changes works fine.
* No side effect will be introduced by the patch.

# Testing Targets

| **Configuration Item** | **Versions** |
| --- | --- |
| **Gateway Device Management Platform** |  |
| Web Server | 3.3.7 |
| Application Server | 3.3.7 |
| Agent | 3.3.7 |

# Test Configurations

All Gateway v3.3.7 testing ran on QA servers hosted by Terremark.

# Hardware Configurations

All Gateway Phase 3.3 (Build 3.3.7) Server deliverables ran on servers hosted by Terremark.

* Server Hardware Configurations.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Items** | **Web Server1** | **Web Server2** | **Application Server** | **Database Server** |
| Operation System | RedHat 6.8 | RedHat 6.8 | RedHat 6.8 | RedHat 6.8 |
| System type | Linux | Linux | Linux | Linux |
| Memory | 4 GB | 4 GB | 16 GB | 24 GB |
| CPU | 2 CPUs | 2 CPUs | 8 CPUs | 16 CPUs |
| Model | Intel(R) Xeon(R) CPU X5570 @ 2.93GHz | Intel(R) Xeon(R) CPU X5570 @ 2.93GHz | Intel(R) Xeon(R) CPU X5570 @ 2.93GHz | Intel(R) Xeon(R) CPU X5570 @ 2.93GHz |
| HDD | vm1742601 | vm1742701 | vm1742801 | ph1742901 |
| Physical Location | Terremark Data Center | Terremark Data Center | Terremark Data Center | Terremark Data Center |

* Laptops.

|  |  |  |
| --- | --- | --- |
| **Term** | **Laptop 1** | **Laptop 2** |
| Operation System | Windows 7 | Windows 8 |
| System type | 64 bit | 64 bit |
| Network | Wireless network | Wired network |
| Memory | 4 GB | 2 GB |
| CPU | 4 CPUs | 4 CPUs |
| Model | HP EliteBook 8460p | HP EliteBook 8460p |
| Serial | CNU331BMH9 | CNU22929MZ |
| Asset | FA00677 | FA00157 |
| Physical Location | Hangzhou | Shanghai |

* Device

|  |  |  |  |
| --- | --- | --- | --- |
| **Device** | **Module** | **Serial Number** | **Device Software version** |
| SCD 700 Controller 1 | Kendall SCD 700 Controller | V1001388SX | 1.08.01 |
| PB980 Ventilator | PB980 Ventilator | 35B1300008 | AF |
| VLLS10 | Valleylab LS10 | L15G0886GX | 01.00.05 |
| Valleylab FT10 | Valleylab FT10 | T6G00010DX | 1.1.3 |
| Emprint Planning | Emprint Procedure Planning Application | G65PG72 | 1.3 |
| Signia Stapler | Signia Stapler | C2016D4815 | 0 |

# Software Configurations

#### Server Software Configurations

* Detail Server Software Configuration information, please reter to section 6.1 & 1.2 in referenced IQ report [3]

#### Agent Software Configurations

* Windows 7 64bit
* Windows 8 64 bit
* Internet Explorer v11/Firefox v39/Google Chrome v55

#### Client Software Configurations

* SCDU configuration file 5.0

#### Device Software

PB 980 Software (Device software):

* + Version: AF filename: 980\_10109869\_AF.pkg
  + Version: M filename: 980\_10109869\_M.pkg

SCD 700 Sequential Compression Controller Software (Device software):

* + Version: 01.08.01 filename:raven\_010801.bin
  + Version: 01.11.02 filename:GrandRobin\_011102.bin

Valleylab LS10 (Device software):

* + Version: 01.00.05 filename: LS10\_01\_00\_05.zip
  + Version: 01.10.02 filename: LS10\_01\_10\_02.zip

Valleylab FT10 (Device software):

* + Version: 1.11.1 filename: FT10\_Install\_1\_11\_1.zip
  + Version: 1.1.3 filename: FT10\_Install\_1\_1\_3\_12.zip

Emprint Procedure Planning Application (Device software)

* + Version: 1.3 filename: Upslope1.3.zip
  + Version: 1.2 filename: Upslope1.2.zip

Signia Stapler (Device software)

* + Version: 2016.03.16-19\_55\_15 filename: Signia\_Install\_0042866.zip
  + Version: 2016.03.10-12\_51\_20 filename: Signia\_Install\_0038707.zip

# Client Application

Patch release testing was conducted using the following client applications:

* SCDU version: 1.0.3
* ESS version: 1.0.6.2
* VLEX version: 3.2 (2.107.156.343)
* Emprint Client version: 1.1

# Test Results

There are two possible results for the Patch 3.3 (Build 3.3.7) test execution:

|  |  |
| --- | --- |
| **Test Result** | **Description** |
| PASS | The result of the test execution met the “PASS” criteria predefined. |
| FAIL | The result of the test execution did not meet the “PASS” criteria predefined. |

# Test Result Statistic

The table below illustrates the summary of ET execution and defect verification result:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Planned** | **Executed/Verified** | **Not Executed** | **Test Result** | |
| **PASS** | **FAIL** |
| Defects | 3 | 3 | 0 | 3 | 0 |
| ET Test Cases | 10 | 10 | 0 | 8 | 2 |
| Total | 13 | 13 | 0 | 11 | 2 |

Defects found in formal testing:

|  |  |  |
| --- | --- | --- |
| **Critical/Major** | **Minor/Normal** | **Trivial** |
| 1 | 0 | 0 |

*ET Session Notes is attached in* Appendix A – ET Session Notes

This System Patch Testing was executed from Dec 16th ,2016 and finished on Dec 30th 2016 by Jason Dai and Sophia Zhang from InsigmaUS team.

# Defects/Changes Verification Results

| **JIRA #** | **Summary** | **Test Result** |
| --- | --- | --- |
| GATEWAY-4967 | Not All FT10 Device Log Files Are Uploaded To Server. | Pass |
| GATEWAY-4615 | Device Management Agent boot loader Service is getting stopped automatically, due to this issue VLEX is unable to Launch login Screen (we have observed this issue sporadically, it may occur in field) | Pass |
| GATEWAY-4977 | Software Upgrade Report for Signia and/or FT10 does not contain newly updated device. | Pass |

# ET Charters/Test Case Results

| **ET Charter** | **Subject** | **Test case** | **Test Purpose** | **Test Result** | **Defect ID** |
| --- | --- | --- | --- | --- | --- |
| CTR741 | Verify all log files can be uploaded to server after user logoff for all device types. | CTR741.1 | Verify all VLFT10 log files can be uploaded to server after user logoff. | Pass | N/A |
| CTR741.2 | Verify all VLLS10 log files can be uploaded to server after user logoff. | Pass | N/A |
| CTR741.3 | Verify all Signia log files can be uploaded to server after user logoff. | Pass | N/A |
| CTR741.4 | Verify all Emprint log files can be uploaded to server after user logoff. | Pass | N/A |
| CTR741.5 | Verify all PB980 log files can be uploaded to server after user logoff. | Pass | N/A |
| CTR742 | Verify Agent stop function call be called when shutdown hook is executed | CTR742.1 | Verify Agent stop function will be called when shutdown hook is executed, and Agent stop information will be shown. | Pass | N/A |
|
| CTR742.2 | Verify Agent can start successfully after shutdown hook is executed. | Pass | N/A |
| CTR743 | Verify Software Upgrade Report will show correctly when a software upgrade record is created. | CTR743.1 | Verify Software Upgrade Report will show correctly when a VLLS10 software upgrade record is created. | Pass | N/A |
| CTR743.2 | Verify Software Upgrade Report will show correctly when a VLFT10 software upgrade record is created. | Fail | GW-5030 |
| CTR743.3 | Verify Software Upgrade Report will show correctly when a Signia software upgrade record is created. | Fail | GW-5030 |

# JIRA Tickets List

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **JIRA #** | **Priority** | **Summary** |
| 1 | GATEWAY-5030 | Major | SW Upgrade Report: "Prior SW Version" is incorrect for Signia upgrades |

# Conclusion

The result of system patch testing is ‘FAIL’ because there is a defect(GATEWAY-5030) confirmed by CCB to be put to the next round patch release(v3.3.8).

The defect should be fixed and verified in the v3.3.8 patch test before GATEWAY v3.3 release.

# Appendix A – ET Session Notes



# Appendix B – Test Results Certification



# Appendix C – Issue Report

