
Tacera Pulse 2.3 Release Notes

RN-US-022

1 Revision History

Revision	ECO Number	Description
Rev A	ECO18-156	Initial release of version 2.3.0
Rev B	ECO18-167	Update release of version 2.3.1

2 Scope

The following release notes are for the release of Tacera Pulse.

3 Release

3.1 Release 2.3.1

3.1.1 General Notes

Notes from 2.3.0 are still applicable.

3.1.2 New Features

Component	Description
Touch Duty Server	Rounding events can be created with staff information that allow accurate staff rounding reporting.
HL7	Bi-Directional HL7 messages. Outbound HL7 messages are sent, which includes the assigned staff names, when a rounding call is activated on an IP-Duty.

3.1.3 Bug Fixes

Component	Zendesk #	Description
Touch Duty Server	N/A	Fixes issue where the name of the patient/resident created through the Asset Editor was not being displayed in Patient Info name field on the IP-TSNS.
	N/A	Fixes issue where "Activation Failed" error is generated when activating a workflow button from a Location with a patient/resident assigned in a Pulse Mobile app.
	N/A	Fixes issue where RTLS Staff Presence is cancelled even if a single staff leaves the room
	N/A	Fixes issue where changing site layout (locations) after siteconfig database has been established can cause errors.
	N/A	Fixes issue where Touch Duty server fails to retrieve and process the default (blank) site file.
	N/A	Fixes issue where the Touch Duty consumed 100% of the CPU for an extended period of time.
Pulse Mobile (iOS)	N/A	Fixed issue where the Pulse Mobile app loses its SIP registration after sometime and VoIP calling feature fails.
Pulse Mobile (Android)	N/A	Resends continue to play sound after rejecting alarm.

3.1.4 *Known Issues*

Component	Zendesk #	Description
N/A		

3.1.5 *Released Documents*

Document	Revision
L-245, Tacera HL7 Overview	A
L-246, Tacera HL7 Interface Specification	A
SIM-015, Tacera HL7 Installation and Configuration Guide	B

3.1.6 *Tacera Pulse Components*

3.1.6.1 *Pulse – Data Only*

Feature	Component	Version	MD5 Hash
Pulse (Data Only Deployment)	Tacera Data Extraction Service	1.0.14	66b0abfc3b43b37a11d02ff365f7b5a6
	Data Acquisition Service (DAS)	3.2.1	c3ada5179810f0dcc358353e979f6cbd

3.1.6.2 *Pulse Reports and Dashboards (On-Premise)*

Feature	Component	Version	MD5 Hash
Pulse Reports and Dashboards (On-Premises)	Reporting Portal (On-Premises)	3.1.1	25583bd3d6721b26023d554518082b40
	Data Acquisition Service (DAS)	3.2.1	c3ada5179810f0dcc358353e979f6cbd
	Gluu Identity Server	1.0.5	0b6a316984c3e4c4cdfdfc10971af0bd
	Tacera Data Extraction Service	1.0.14	66b0abfc3b43b37a11d02ff365f7b5a6

3.1.6.3 Pulse Reports and Dashboards (Cloud)

Feature	Component	Version	MD5 Hash
Pulse Reports and Dashboards (Cloud Deployment)	Tacera Data Extraction Service	1.0.14	66b0abfc3b43b37a11d02ff365f7b5a6
	Data Acquisition Service	3.2.1	c3ada5179810f0dcc358353e979f6cbd
	Reporting Portal (Cloud)	3.1.2	N/A

3.1.6.4 Pulse Mobile

Feature	Component	Version	MD5 Hash
Pulse Mobile	Pulse Mobile Gateway	1.1.5	5205ad5e9a810223c76ce5997c5c842a
	Pulse Mobile App (iOS)	1.5	N/A
	Pulse Mobile App (Android)	1.5	N/A
	Gluu Identity Server	1.0.5	0b6a316984c3e4c4cdfdfc10971af0bd

3.1.6.5 IP-Duty

Feature	Component	Version	MD5 Hash
IP-Duty	IP-Duty APK	3.6.10	59779494914c15e08369336cccbaa6c2
	Tacera Touch Duty Server	4.9.6	2d4f735eb162683c56c69c51450f38a8

3.1.6.6 IP-WN-DD/IP-WN-DD-2

Feature	Component	Version	MD5 Hash
IP-WN-DD	Tacera Touch Duty Server	4.9.6	2d4f735eb162683c56c69c51450f38a8
	IP-WN-DD Platform Patch	4.3.0	5f837049c907f86189d297a1766b94d4

3.1.6.7 RTLS

Feature	Component	Version	MD5 Hash
RTLS	Tacera RTLS Ekahau Adapter	1.1.4	850da85a56e7135062f0de18daffd8b6
	Tacera RTLS Manager	1.1.10	43dfa7cd88d6fe28c3a9e6431b9e3ea1

3.1.6.8 HL7

Feature	Component	Version	MD5 Hash
HL7	Tacera HL7	1.1.1	896c940659508f25c84aa61b4824f2a8
	Tacera Touch Duty Server	4.9.6	2d4f735eb162683c56c69c51450f38a8

3.1.6.9 Cisco and Spectralink Web Devices

Feature	Component	Version	MD5 Hash
Tacera Web Devices	Tacera WebDevices	3.5.4	fbea4d8c611baab419790ebbd64d2800

3.1.6.10 Vocera

Feature	Component	Version	MD5 Hash
Vocera	Vocera Adapter	4.0.1	0bbaf7a475f2920e7a01d2f665127902

3.1.6.11 XnDigital

Feature	Component	Version	MD5 Hash
XnDigital	Tacera UDPCopy	1.0.7	0ab8efc5b24fa6faddbfd3853d1ae2e7

3.1.6.12 eHOUSEKEEPING IMS Integration

Feature	Component	Version	MD5 Hash
HouseKeeping Web Service	Tacera Housekeeping	1.1.8	cb330bea427e86b63578b894c6f89670

3.1.6.13 ASM-In Single Interface

Feature	Component	Version	MD5 Hash
ASM-In	ASM-In Single Interface	1.0.1	aad8312093da49573b7028b2ee804720

3.1.7 Compatibility Matrix

Component	Version
Tacera Suite	V4.9

3.1.8 Component Platform Compatibility

Component	Platform Compatibility
Tacera HL7	ACS Platform 4
Tacera Touch Duty Server	ACS Platform 3, ACS Platform 4
ASM-In	ACS Platform 4
Tacera Housekeeping	ACS Platform 3, ACS Platform 4
Tacera UDPCopy	ACS Platform 3
Vocera Adapter	Microsoft Windows
Tacera WebDevices	ACS Platform 3, ACS Platform 4
Tacera RTLS Ekahau Adapter	ACS Platform 3, ACS Platform 4
Tacera RTLS Manager	ACS Platform 3, ACS Platform 4
Gluu Identity Server	ACS Platform 4
Tacera Data Extraction Service	ACS Platform 3, ACS Platform 4

3.2 Release 2.3.0

3.2.1 General Notes

- Tacera Pulse Reports and Dashboards (On-Premises) is installed through two separate installation packages and a pre-configured Windows VM is no longer provided.
- The Pulse Mobile Client App is available in the Google Play Store and the Apple App Store.

3.2.1.1 Touch Duty

The Touch Duty installer no longer overwrites the Touch Duty Properties (`main.properties`) and Touch Duty Log Properties (`log4j.properties`) files when Touch Duty 4.7.x (or later) is installed. This should not present any issues for users upgrading from *Touch Duty 4.6.x or later*, and it prevents the user having to update the Touch Duty Properties after installation and then restart Tomcat.

Note: Users that are upgrading from *Touch Duty 4.5.x (or earlier)* will need to manually update some settings in the Touch Duty Properties (`main.properties`) file. The following lines are deprecated in Touch Duty 4.6.x (and later) and **should be removed**:

```
# Main (bootstrap) ACS ipConnect server IP address to connect to for alarms and
site config data.
# This is a single value.
acs.ipAddress.MainConnector = 192.168.1.166
```

```
# Additional ACS ipConnect server IP addresses to connect to for alarms and site
config data.
# Can be a comma separated list.
# DO NOT INCLUDE the connector in acs.ipAddress.MainConnector
acs.ipaddresses = 192.168.1.167
```

Then, the following lines should be added in their place with the *combination* all the IP Connect addresses previously listed above in **both** variables (`acs.ipAddress.MainConnector` and `acs.ipaddresses`):

```
# All ACS ipConnect server IP addresses to connect to for alarms and site config
data.
# Can be a comma separated list.
acs.ipaddresses = 192.168.1.166,192.168.1.167
```

A new installation of Touch Duty 4.7.x (or later) or an upgrade from Touch Duty 4.6.x (or later) will not require this manual intervention.

Note: The IP addresses used above are examples – use the IP addresses appropriate to the installation.

3.2.1.2 Housekeeping

The Housekeeping configuration may need to be updated when upgrading to version 1.1.7 (or later). Depending on the deployment, there are either one or two changes required.

If the Housekeeping application is configured to subscribe to alarm data coming from multiple floor controllers, then the following change is required for the property named "ipconnectservers":

```
# All ACS ipConnect server IP addresses to connect to for alarm data.
# Can be a comma separated list.
```

```
ipconnectservers=192.168.1.166, 192.168.1.167
```

Note: This change requires that the "|" (vertical bar) character is replaced with "," (comma) to separate the IP addresses in the list.

The property named "ipconnectserversProperties" **should always be completely removed** from the Housekeeping configuration, as it is no longer needed:

```
ipconnectserversProperties=session.timeout=0|session.maxSessions=1|session.clearSessions=true
```

Note: This will appear as a single line in the properties file.

3.2.1.3 Data Extraction Service

The Data Extraction Service may need to be updated when upgrading to version 1.0.12 or later. The following lines should be removed from the configuration file (`dataextraction.properties`):

```
# Leave ACSServer blank to use same address as networkInterfaceToUse  
ACSServer=
```

The following lines should be added to the configuration file (where 192.168.1.166 is replaced with the actual IP address):

```
# Specify the IPConnect Server's IP address  
ACSServer=192.168.1.166
```

3.2.2 New Features

Component	Description
Touch Duty Server	Complete UI refresh for the IP-Duty to improve usability.
IP-Duty	Adds support for IP-DUTY-2 hardware with watchdog capability to improve stability of the device.
Pulse Reports & Dashboards	Added ability to schedule reports to be auto generated and PDF emailed to designated email address(es) on a configured schedule (daily, weekly, monthly).
	Added a new report to provide staff location (movement) history report. This new report requires RTLS integration.
	Added a new report to allow comparison of response times between location units or staff.
	Added a new capability to see details sequence of events for an alarm in the alarm history report by clicking a specific alarm.
	The default report filter date range is now set to yesterday 0:00 - 11:59
	On a PDF exporedted report the applied filters are moved to the end of the PDF.
	Reports now include the ability to show Patient or Staff information (if applicable) along with other alarm information.
	Installation process has been simplified and improved to allow easier upgrades and distribution.
	Dashboard is now an optional feature and can be purchased in addition to reports.

3.2.3 Bug Fixes

Component	Zendesk #	Description
IP-DUTY	N/A	Restart from webmin causes chrome to display "Chrome didn't shutdown correctly... Click Restore" info bar at the top requiring user action.
Touch Duty Server	23318	Fixes issue where the IP-Duty clocks are not synched with the master clock (requires update to the ACS Platform)
Pulse Reports & Dashboards (Cloud)	N/A	Fixed issue where the apply button in the settings of cleaning mode widget does not work.
Data Acquisition Service	N/A	Fixed issue where manual extraction does not work even if quartz worked correctly.
	N/A	Fixed issue where DAS doesn't retry if failure is on first extraction attempt.
Pulse Reports & Dashboards	N/A	Fixed issue where the the shift filter did not apply its activation times to the report filters.
	N/A	Fixed issue where alarms per bed widget never displayed data.
	N/A	Fixed issue where the printed report has no filter summary at the top.
	N/A	Fixed issue where the report filter date range does not correctly filter results.
	N/A	Resolved issue when "show location types" is checked, the report displays only the last node.
	N/A	Fixed issue on PDF exported reports where filter summary doesn't show alarm types.

Component	Zendesk #	Description
	N/A	Fixed issue when all the alarm types are selected and applied in the filter (reports), the filter is applied correctly. However, when the user opens the filter again, only the first alarm type is displayed as selected.
	N/A	Fixed issue where the site activity report does not display any data.
	N/A	Fixed issue where the reports filter does not filter out alarms according to the location selection.
	N/A	Fixed issue where new location node becomes root location in some cases
	N/A	Alarm durations are now reported in a hh:mm:ss format as opposed to just seconds.
Pulse Reports & Dashboards (On-Premises)	N/A	Improved authentication failures messages.

3.2.4 Known Issues

Component	Zendesk #	Description
Pulse Reports & Dashboards (On-Premises)	N/A	Cannot apply the location settings in the "Settings" box. The "apply" button does not work
Pulse Reports & Dashboards (Cloud)	N/A	Azure Active Directory Logins Pick First TenantId
	N/A	A User With No Last Name or No First Name in AAD Cannot Log In
Touch Duty	N/A	See above notes about Touch Duty upgrades

3.2.5 Released Documents

Document	Revision
CS-004, Annunciator Display Driver IP-WN-DD-2	C
CS-006, Web Services	A
L-212, Pulse Mobile Solution Overview	B
SIM-022, Pulse Reports and Dashboards Installation and Configuration Guide	B
SIM-032, Pulse Mobile Installation and Configuration Guide	G
SIM-036, Reports and Dashboards (Cloud) Azure Active Directory Tenant Setup Guide	B
SIM-027, Tacera Web Services API Developer Guide	D

3.2.6 Tacera Pulse Components

3.2.6.1 Pulse – Data Only

Feature	Component	Version	MD5 Hash
Pulse (Data Only Deployment)	Tacera Data Extraction Service	1.0.14	66b0abfc3b43b37a11d02ff365f7b5a6
	Data Acquisition Service (DAS)	3.2.1	c3ada5179810f0dcc358353e979f6cbd

3.2.6.2 Pulse Reports and Dashboards (On-Premise)

Feature	Component	Version	MD5 Hash
Pulse Reports and Dashboards (On-Premises)	Tacera Reporting Portal	3.1.1	25583bd3d6721b26023d554518082b40
	Data Acquisition Service (DAS)	3.2.1	c3ada5179810f0dcc358353e979f6cbd
	Gluu Identity Server	1.0.5	0b6a316984c3e4c4cdfdfc10971af0bd
	Tacera Data Extraction Service	1.0.14	66b0abfc3b43b37a11d02ff365f7b5a6

3.2.6.3 Pulse Reports and Dashboards (Cloud)

Feature	Component	Version	MD5 Hash
Pulse Reports and Dashboards (Cloud Deployment)	Tacera Data Extraction Service	1.0.14	66b0abfc3b43b37a11d02ff365f7b5a6
	Data Acquisition Service	3.2.1	c3ada5179810f0dcc358353e979f6cbd
	Reporting Portal (Cloud)	3.1.2	N/A

3.2.6.4 Pulse Mobile

Feature	Component	Version	MD5 Hash
Pulse Mobile	Pulse Mobile Gateway	1.1.4	1718af27767a812b63a2fdad39ae57b3
	Pulse Mobile App (iOS)	1.4	N/A
	Pulse Mobile App (Android)	1.4	N/A
	Gluu Identity Server	1.0.5	0b6a316984c3e4c4cdfdfc10971af0bd

3.2.6.5 IP-Duty

Feature	Component	Version	MD5 Hash
IP-Duty	IP-Duty APK	3.6.10	59779494914c15e08369336cccbaa6c2
	Tacera Touch Duty Server	4.9.2	8a8c89db1eeca1556016a12b54193bcc

3.2.6.6 IP-WN-DD/IP-WN-DD-2

Feature	Component	Version	MD5 Hash
IP-WN-DD	Tacera Touch Duty Server	4.9.2	8a8c89db1eeca1556016a12b54193bcc
	IP-WN-DD Platform Patch	4.3.0	5f837049c907f86189d297a1766b94d4

3.2.6.7 RTLS

Feature	Component	Version	MD5 Hash
RTLS	Tacera RTLS Ekahau Adapter	1.1.4	850da85a56e7135062f0de18daffd8b6
	Tacera RTLS Manager	1.1.10	43dfa7cd88d6fe28c3a9e6431b9e3ea1

3.2.6.8 HL7

Feature	Component	Version	MD5 Hash
HL7	Tacera HL7	1.1.1	896c940659508f25c84aa61b4824f2a8
	Tacera Touch Duty Server	4.9.2	8a8c89db1eeca1556016a12b54193bcc

3.2.6.9 Cisco and Spectralink Web Devices

Feature	Component	Version	MD5 Hash
Tacera Web Devices	Tacera WebDevices	3.5.4	fbea4d8c611baab419790ebbd64d2800

3.2.6.10 Vocera

Feature	Component	Version	MD5 Hash
Vocera	Vocera Adapter	4.0.1	0bbaf7a475f2920e7a01d2f665127902

3.2.6.11 XnDigital

Feature	Component	Version	MD5 Hash
XnDigital	Tacera UDPCopy	1.0.7	0ab8efc5b24fa6faddbfd3853d1ae2e7

3.2.6.12 eHOUSEKEEPING IMS Integration

Feature	Component	Version	MD5 Hash
HouseKeeping Web Service	Tacera Housekeeping	1.1.8	cb330bea427e86b63578b894c6f89670

3.2.6.13 ASM-In Single Interface

Feature	Component	Version	MD5 Hash
ASM-In	ASM-In Single Interface	1.0.1	aad8312093da49573b7028b2ee804720

3.2.7 Compatibility Matrix

Component	Version
Tacera Suite	V4.9

3.2.8 Component Platform Compatibility

Component	Platform Compatibility
Tacera HL7	ACS Platform 4
Tacera Touch Duty Server	ACS Platform 3, ACS Platform 4
ASM-In	ACS Platform 4
Tacera Housekeeping	ACS Platform 3, ACS Platform 4
Tacera UDPCopy	ACS Platform 3
Vocera Adapter	Microsoft Windows
Tacera WebDevices	ACS Platform 3, ACS Platform 4
Tacera RTLS Ekahau Adapter	ACS Platform 3, ACS Platform 4
Tacera RTLS Manager	ACS Platform 3, ACS Platform 4
Gluu Identity Server	ACS Platform 4
Tacera Data Extraction Service	ACS Platform 3, ACS Platform 4

For further information contact Austco Support on support@austco.com.