



RELEASE DOCUMENT

BAXI.Agent Version 1.4.1.0

Purpose

This document contains release notes for the Baxi.Agent

Revision record

Date	Version	Description
7.10.2015	0.6	<ul style="list-style-type: none">• Alpha release• Supports connections from many clients to one terminal
23.10.2015	1.0.0.0 (52-5eec6b6)	<ul style="list-style-type: none">• Beta release• Changed .NET framework target release from 4.5 to 4.0• NetBaxiTestGUI support for both dllBaxiClient.dll and baxi_dotnet.dll• Added handling for situation when starting BaxiAgentService.exe first time without local admin rights• Fixed Terminal TCP connection to work with Baxi.Agent• Added handling of special characters according to ISO-8859-1 encoding (ISO Latin 1) is intended for "Western European" languages and contains Ææ, Øø, Åå• Improved handling of connect/disconnect from the client• Improved logging and error handling <p>Known issues:</p> <ul style="list-style-type: none">• Monitoring terminal's USB connection is not working. E.g situations where terminal reboots or USB -cable is removed cause ERROR: 2011 ERR_SEND_LOW_LEVEL_FAIL• System tray icon not working correctly if windows desktop themes are activated• NetBaxiTestGui.exe crashes when selecting from menu Properties -> Read W properties

17.11.2015	1.0.0.1 (67-7907c11)	<p>Technical Task</p> <ul style="list-style-type: none"> * Improved Logging <p>Bug</p> <ul style="list-style-type: none"> * Baxi agent hangs if terminal reboots * Netbaxitest Gui fails to open initially. * Baxi Agent service gets terminate automatically when we run it for the 1st time * COM port fails to communicate with terminal * Send TLD function does not work in Baxi.agent * Timing issue in the server socket * Fixed Testgui panels * Changed handling of GetBaxiProperties. * Added errorhandling for SeparatorsToString and StringToSeparators * Baxi agent crashed during multiple client configuration * Baxi agent fails to give proper error message in multi client configuration * Baxi agent fails to warn of terminal Power recycle * Localmode always for Successful Open * Added an alternative way to start Baxi.Client with a new constructor and TestGUI changes so this can be tested. * Improved the Assembly selection dialog layout. * Removed logs in Worker thread that caused crash on start up. * Added MethodReject handling (Gate) where client is already processing a command * 0x313B Finish is also let through the Gate * Added 0x3132 && 0x313B //Cancel and Finish are let through in BibAdministration * Added error handling for BaxiClient.xml * IsOpen method for public API * GenerateFailedLocalmode for "SERVER_BUSY_WITH_OTHER_CLIENT_REQUEST" * Socket handling message length issue * TerminalReady is sent when Open fails * Added exception handling to PrettyXml <p>Bug still in test</p> <ul style="list-style-type: none"> * [Still in test: INTGR-966] - Client error handling * [Still in test: INTGR-967] - Client connect improvements * [Still in test: INTGR-987] - TestGUI method reject and properties * [Still in test: INTGR-988] - Failure in server socket when all data cannot be send in one operation <p>Known issues</p> <ul style="list-style-type: none"> * System tray icon not working correctly if windows desktop themes are activated
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19.11.2015	1.0.0.2 (72-808c424)	Bug <ul style="list-style-type: none">* NetBaxiTestGui fails to open* Logging causes crashes and fix baxi.dll reference* Update the reference to baxi.dll in ClientMessageConverter.* Fix the testgui so it properly and automatically handles MethodReject and any command Result.* Add GetTidTag to the public API.* Add OnActivateBTCompanion through all the conversion layers.* New databuffer for ServerSockets outgoing data* Baxi agent crashes when Client 2 instance is closed while client 1 in mid of Transaction* Improvement for blocking calls from other clients Known issues <ul style="list-style-type: none">* System tray icon not working correctly if windows desktop themes are activated
7.12.2015	1.0.1.0 (81-742f99a)	Bug <ul style="list-style-type: none">• Stopping Baxi_Agent_Service does not release resources• Call GetBaxiProperties after Close + Open or change of ClientId• Cancel transaction if client/server connection fails during transaction• Make Logging thread safe• Baxi.Agent crashes when 09 Adm Ready service send continuously from NetBaxitestGui• Find and add any missing public methods in the Baxi API• Set Baxi properties in the client (send xml) Known issues <ul style="list-style-type: none">System tray icon not working correctly if windows desktop themes are activated

22.1.2016	1.0.1.1 (97-45af53d)	<p>Bug</p> <p>[INTGR-1059]</p> <ul style="list-style-type: none">• Logging improvements• Possibility to end TestGUI without sending close• Fix for sending the ReceiveBuffer after client disconnect <p>[INTGR-1043]</p> <ul style="list-style-type: none">• SetIsOpen moved before Fire_OnLocalMode event• Overloaded function RaiseMethodRejected split to RaiseBaxiMethodRejected and RaiseGeneratedMethodRejected• Logging filename bug fixed• Added YYYY-MM-DD to log entries• Changed logging of whole message to message len to avoid duplicate logging of whole message• isConnected status change moved before firing the event <p>[INTGR-1060]</p> <ul style="list-style-type: none">• Baxi.Agent restarting service issue• Adm Cancel send from Agent.Service if there is active transaction when stopping the service• Baxi.Close send when from Agent.Service when stopping the service <p>[INTGR-1064]</p> <ul style="list-style-type: none">• Only one LocalMode from Cancel <p>[INTGR-1023]</p> <ul style="list-style-type: none">• Local mode is not displayed in Terminal Response for last financial result <p>[INTGR-1091]</p> <ul style="list-style-type: none">• BaxiAgentService crashes after restarting service when two clients are connected <p>[INTGR-1094]</p> <ul style="list-style-type: none">• Removed automatic AMD Cancel transaction if client/server connection fails during transaction <p>Known issues</p> <p>System tray icon not working correctly if windows desktop themes are activated</p>
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12.5.2016	1.0.2.0 (151-678f9d6)	Release Notes - Integration - Version baxi.agent-1.0.2.0 Technical Task * [INTGR-1245] - Update Baxi.Agent version numbers Bug * [INTGR-1020] - Autoreconnect is eating resources after Close * [INTGR-1021] - Broadcast BaxiProperties to all Clients * [INTGR-1158] - LogAutoDeleteDays is not working on Baxi.Client * [INTGR-1200] - Socket ConnectionStatusChange may cause extra Open from client Known Issues * [INTGR-1204] - SendJSON query fails to work on baxiagent * [INTGR-1001] - Bluetooth support missing from public API * [INTGR-951] - System tray icon doesn't work with Windows desktop themes
16.5.2016	1.0.2.1 (153-9d26c1b)	Release Notes - Integration - Version baxi.agent-1.0.2.1 Technical Task * [INTGR-1250] - Build Baxi.Agent to .NET fw4.0 and update version numbers to 1.0.2.1
2.11.2016	1.0.2.2 (404-26e8ca3)	Release Notes - Integration - Version baxi.agent-1.0.2.2 Bug * [INTGR-1201] - Negative test for Terminal ready fails in Multiclient setup * [INTGR-1204] - SendJSON query fails to work on baxiagent * [INTGR-1256] - Reading new W properties not working in Baxi.Agent * [INTGR-1518] - ClientID should not generate in MultiConfig file when UseMultiInstance is set to 0 * [INTGR-1543] - Server fails to send terminal ready event to client after reconciliation or any transaction that makes client inoperative when client & server are running on different machine

6.2.2017	1.0.3.0	<p>Release Notes - Integration - Version baxi.agent-1.0.3.0</p> <p>Bug</p> <ul style="list-style-type: none"> * [INTGR-1201] - Negative test for Terminal ready fails in Multiclient setup * [INTGR-1204] - SendJSON query fails to work on baxiagent * [INTGR-1256] - Reading new W properties not working in Baxi.Agent * [INTGR-1518] - ClientID should not generate in MultiConfig file when UseMultiInstance is set to 0 * [INTGR-1543] - AsyncClientSocket refactoring * [INTGR-1880] - Baxi.Agent re-allocating sendreceive socketpool fails <p>Story</p> <ul style="list-style-type: none"> * [INTGR-1012] - Baxi.NET build on various .NET frameworks * [INTGR-1659] - Baxi.Agent PIN Bypass * [INTGR-1698] - Remove MICRO_FRAMEWORK from Baxi.NET and Baxi.Agent * [INTGR-1813] - Sign Baxi.Agent assemblies with baxidotnetkey.snk <p>Task</p> <ul style="list-style-type: none"> * [INTGR-1678] - Add unlock button for TID supervision
11.5.2017	1.1.0.0 (604-1ad5c99)	<p>Release Notes - Integration - Version baxi.agent-1.1.0.0</p> <p>Technical Task</p> <ul style="list-style-type: none"> * [INTGR-965] - Handling disconnect-events from the server * [INTGR-1681] - Handling of Maninsson framed TCP messages * [INTGR-1682] - Convert LiteTCPRequest to Baxi API messages * [INTGR-1683] - Convert Baxi API messages to LiteTCPResponse * [INTGR-1707] - Implement combined cancellation * [INTGR-1929] - MultiConnection configuration UI improvement implementation * [INTGR-1930] - Improve the multiterminal configuration path in debug mode * [INTGR-1937] - Automation testing of auto-open case * [INTGR-1938] - Check automation testing of close case * [INTGR-1939] - Check automation testing of successful purchase case * [INTGR-1946] - Merge multi-terminal branch with Master * [INTGR-1966] - Stabilize Baxi.Client - Baxi.Agent socket handling * [INTGR-2055] - Change AutoResetEvent to non-static * [INTGR-2058] - Add version info to Baxi.Client and Baxi.Agent logs * [INTGR-2071] - QA: Release packet for R1 2017 Baxi.Agent * [INTGR-2136] - Update Baxi.Agent version numbers for R1 2017

Bug

- * [INTGR-1358] - Json query fails to work as expected in Multiclient configuration
- * [INTGR-1921] - Baxi.Agent: Unexpected � characters are displayed at the end of Json (Get card info)
- * [INTGR-1924] - MultiConnection: Transaction for Client 1 is not aborted when the GUI is closed
- * [INTGR-1925] - Cancelled transaction does not get printed on display text when we restart BaxiAgentService from services while on going purchase transaction
- * [INTGR-1949] - 1)Remove System.ApplicationException from error.fatal 2)MultiConnection : BaxiAgentService stops when Update Connection List button is selected
- * [INTGR-2015] - MultiConnection: Client directly gets connect with terminal without selecting Test Conenction & Terminal details can be added without any connection Type
- * [INTGR-2016] - MultiterminalConfiguration.exe crashes when started w/o BaxiAgentService
- * [INTGR-2017] - MultiConnection: Terminal connections window hangs when we add removed terminal after performing certain steps
- * [INTGR-2046] - MultiConnection: Connection Type & Com port are missing when we edit usb terminal from Terminal connection window.
- * [INTGR-2054] - MultiConnection: Cursor goes in In-progress state on Terminal configuration window when we didn't acknowledge pop-up window in front of it
- * [INTGR-2130] - BaxiAgent crashes when we send TrasferAmount right after Terminal reboot
- * [INTGR-2134] - SendTId request made by Client1 can be Cancelled from Client2 (on the same machine)
- * [INTGR-2137] - MultiClient: Sometimes client1 can interrupt the request initiated by Client2
- * [INTGR-1961] - Requests from Baxi Agent do not reach ECR Client

Story

- * [INTGR-1779] - Baxi.Agent to support Baxi.Agent XML protocol
- * [INTGR-1849] - Baxi.Agent Multiterminal configuration UI
- * [INTGR-1866] - Baxi.Agent Multiterminal configuration UI Improvement
- * [INTGR-1909] - RefrenceApp to Baxi.Agent XML protocol
- * [INTGR-1932] - MultiConnection automation testing implementation
- * [INTGR-1933] - Merge multi-terminal branch into Master
- * [INTGR-1935] - Multi-terminal automation testing
- * [INTGR-2057] - Log improvement Baxi.Agent
- * [INTGR-2069] - R1 2017 Release Baxi.Agent

29.09.2017	1.2.0.0 (651-0fa6074)	<p>Release Notes - Integration - Version baxi.agent-1.2.0.0</p> <p>Technical Task</p> <ul style="list-style-type: none"> * [INTGR-1017] - Link control between Baxi.Agent and Baxi.Client * [INTGR-1609] - Open and transfer amount on ECR2 fails due to open and transfer amount being in progress on ECR1 * [INTGR-2278] - Implement XZ Counter to Baxi.Agent * [INTGR-2321] - Reduce log entries in Baxi.Agent logs * [INTGR-2471] - Debug Log only KeepAlive messages on Agent.Core <p>Bug</p> <ul style="list-style-type: none"> * [INTGR-1804] - LiteTCP: Application crash when the amount have other type of characters than numbers * [INTGR-1923] - Baxi.Client crashes for Invalid ServerIpAddress * [INTGR-2056] - Intermittent crash is observed in BaxiAgentService when we do test connections more than one time for TCP communication * [INTGR-2076] - BaxiAgentXml: Exception observed if we select close button from Sample app gui when server is not running * [INTGR-2140] - MultiClients for SampleApp transaction made by Client1 can be cancelled by Client2 * [INTGR-2166] - Ecrid which is set BaxiClient xml is not seen on the top of TestGui * [INTGR-2438] - MultiConnection: Baxi.Agent stopps working after Refresh connections * [INTGR-2439] - MultiConnection: Gray status of TID after Terminal is Connected message appears * [INTGR-2440] - MultiConnection: Terminals stay in gray status after clicking on Refresh Connections button and the mouse pointer stays in loading phase * [INTGR-2462] - MultiConnection: TestConnection for TID "In Progress" is not changing the color from Grey to Yellow <p>Story</p> <ul style="list-style-type: none"> * [INTGR-1422] - Baxi.NET Automated Version Numbering * [INTGR-2083] - Log improvements for Baxi.Agent * [INTGR-2212] - Add version info to Baxi.Client and Baxi.Agent logs when new logfile is created * [INTGR-2230] - API for using multiconnection configuration GUI * [INTGR-2261] - XML schema file for Baxi.Agent XML Interface * [INTGR-2305] - Fix known issues on multiterminal config
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06.07.2018	1.3.1.0 (792-80c4b19)	<p>Release Notes - Integration - Version baxi.agent-1.3.1.0</p> <p>Technical Task * [INTGR-2869] - Baxi.Net, Baxi.Agent. Baxi.Client modify log entries</p> <p>Bug</p> <ul style="list-style-type: none"> * [INTGR-2663] - OneTcpPort-TLS: Can't connect any device and MultiterminalConfig window crashes when DelegateCommunication=0 * [INTGR-2708] - Baxi Agent: Adding a terminal multiple times through direct request should not add it several times to MultiterminalConfig.xml * [INTGR-2737] - Baxi.Agent: DelegateCommunication value is missing from Get baxi properties response * [INTGR-2740] - Baxi.Agent: Terminal is not connected appears several times when TestConnection is done on TLS terminal * [INTGR-2749] - Baxi Agent: App crash if auto-connected terminal is forcefully removed * [INTGR-2778] - Baxi.Agent OnePort+TLS: Terminal does not reconnect if TLS is disabled and then enabled from its side * [INTGR-2780] - Baxi.Agent OnePort+TLS: Unstable connection process for the terminals (2 x iPP350 terminals) * [INTGR-2781] - Baxi.Agent - OnePort: Setting log prefix or log path through MultiterminalConfig does not work * [INTGR-2833] - Baxi.Agent: Using wrong config in BaxiClient.xml returns no error code when using Baxi Client * [INTGR-2852] - Baxi.Agent Handling of Null character in the TLD and Json Received * [INTGR-2884] - Baxi.Agent sending null character entities in XML messages * [INTGR-2908] - Baxi.Agent telnet blocks connections * [INTGR-2993] - Baxi.Agent: Refresh connections is not working properly for 2 or more terminals * [INTGR-3008] - Baxi.Agent: Test Connection is not working OK for TCP terminals using Baxi as Service * [INTGR-3032] - Baxi.Agent - LocalMode field populated with multiple messages when StoreBox transaction is made <p>Story</p> <ul style="list-style-type: none"> * [INTGR-2538] - Baxi.Agent add mono support * [INTGR-2825] - Merge storebox branch to master * [INTGR-2872] - Create log trace to track from which location is baxi.ini used * [INTGR-2897] - Merge OPI branch to master * [INTGR-2922] - Installer for Baxi.Agent * [INTGR-2966] - Update logfileprefix automatically when using autoconnected terminals * [INTGR-2974] - Baxi.Agent Usage of DCC and Split acquiring
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3.10.2018	1.4.1.0 (805-020c3db)	<p>Release Notes - Integration - Version baxi.agent-1.4.1.0</p> <p>** Technical Task</p> <ul style="list-style-type: none"> * [INTGR-3250] - Handling of _iniFileKeyValues collection * [INTGR-3251] - AutoConnectedTerminals dictionary to thread safe * [INTGR-3252] - Logging improvements * [INTGR-3255] - Populate default values <p>** Bug</p> <ul style="list-style-type: none"> * [INTGR-2794] - Baxi.Agent: Open through Baxi.Client returns SERVER_BUSY_WITH_OTHER_CLIENT_REQUEST * [INTGR-2876] - Incorrect encoding of Nordic characters in BaxiAgent XML messages * [INTGR-3014] - Baxi.Agent.Refactor - MultiterminalConfiguration window - terminal connection issue * [INTGR-3031] - BaxiAgent SampleApp throws an IndexOutOfBoundsException * [INTGR-3132] - Baxi.Agent: System.ArgumentNullException thrown when connecting terminal via DelegateCommunication * [INTGR-3169] - Baxi.Agent.Refactor - Strange characters in PrintText side of the TestGUI * [INTGR-3172] - Baxi.Agent.Refactor - Terminals cannot be connected with DelegateCommunication&TLS enabled * [INTGR-3219] - Thread safe dictionary for Baxi.Agent * [INTGR-2965] - Terminal sends the NULL byte in TLD reboot message which causes Baxi agent to crash * [INTGR-3222] - Baxi.Agent: Unhandled exception appears on Edit button, after Agent is restarted * [INTGR-3223] - Baxi.Agent: Name & POSid cannot be changed on Edit Configuration using DelegateCommunication=1 * [INTGR-3258] - BaxiAgent installer doesn't have the option for setting DelegateCommunication * [INTGR-3256] - Baxi.Agent remove terminal does not work if terminal is disconnected <p>** Story</p> <ul style="list-style-type: none"> * [INTGR-2343] - Refactor Baxi.Agent SocketAsyncServer * [INTGR-2894] - Refactor Baxi.Agent/Baxi.NET FileAccess class * [INTGR-2956] - Refactor readHeader and readBody * [INTGR-3076] - Multiconfig window UI
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