**Release CheckList**

Date: 03/Aug/2015

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Target Version: 2.1.1rc4

Note: for final ‘non-rc’ releases then only the steps labelled (\*) should be performed.

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| --- | --- |
| **Action** | **Comment/Status** |
| 1. Get latest on the mainline | 1 |
| 1. Build each project in the mainline | 1 |
| 1. Build the LoadTester | 1 |
| 1. Start up xampp | 1 |
| 1. Create sql lorarw user if not already there | n/a |
| 1. Load previous dbase schema (if not there already) | n/a |
| 1. Run LT to get data into database | n/a |
| 1. Execute sql commands to transform existing DB schema to new one to check they are correct | n/a |
| 1. Check data is still there and not corrupted | n/a |
| 1. Start up Servers and run Load Tester tool to make sure it still works. | 1 |
| 1. Drop previous mysql lora tables | n/a |
| 1. Load new database schema into mysql | n/a |
| 1. Start up NS, CS, AS and NC | n/a |
| 1. Check pc isn’t running at 100% capacity | 1 |
| 1. Start a LT script. Stop servers part way through and restart servers to make sure it all works. | 1 |
| 1. Load up old sql. Start servers and start LT to make sure it all works (servers should update the sql table) | n/a |
| 1. Merge mainline to release line excluding LoadTester | 1 |
| 1. Delete release line from hard drive (\*) | 1 |
| 1. Get latest on release line (\*) | 1 |
| 1. Set Release Version String in the project files in each of the VC++ projects (\*) | 1 |
| 1. Set Release number in Makefile (\*) | 1 |
| 1. Set build optimisation in Makefile from ‘Debug’ to Release (\*) | 1 |
| 1. Build the Release Line (\*) | 1 |
| 1. Start up each project in the Release line (\*) | 1 |
| 1. Run a LoadTester script to make sure it everything works ok (\*) | 1 |
| 1. Run the System Tests and check results plus run single script OneMoteProvisionedGWStatus.txt to check that the udpAckRatio in the NS gateways table is 0 | 1 |
| 1. Copy to Linux | 1 |
| 1. Linux Start up xampp | 1 |
| 1. Linux Drop previous mysql lora tables | n/a |
| 1. Linux Load database schema into mysql | n/a |
| 1. Linux Create lorarw user if not already there | n/a |
| 1. Linux Start up NS, CS, AS and NC | 1 |
| 1. Linux Run a Load Tester script to check it works | n/a |
| 34. Create windows exes (\*) | 1 |
| 35. Create Ubuntu exes (\*) | 1 |
| 36. Save exes and entire dir structure to zips to release line (\*) | 1 |
| 37. Start it on iotdev.semnet.dom – with NS on port 1680 (\*) | 1 |
| 38. Create documentation to describe changes in this release relevant for customers. To include:  Windows OS and release on which it was tested.  Linux OS and release  MySQL DB version  List of sql commands to change old DB structure to new DB  For full release open docs and accept all changes. Copy to release line and create pdfs and store these in the release area (\*) | 1 |
| 39 .Check document version numbers (\*) | n/a |
| 40. Create pdf versions of the release docs. Note that only these go to the customer (\*) | n/a |
| 41. Put Release doc Files in Release line (\*) | 1 |
| 42. Check in files (\*) | 1 |
| 43. Label release line with target release (\*) | 1 |