**Release CheckList**

Date: 20/July/2015

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Target Version: 2.1.1rc2

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 | 1 |
| 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. | n/a |
| 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 | 1 |
| 1. Check pc isn’t running at 100% capacity | 1 |
| 1. Run the System Tests and check results (it’s easier to fix bugs in the mainline rather than after doing a release)   plus run single script OneMoteProvisionedGWStatus.txt to check that the udpAckRatio in the NS gateways table is 0 | 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) | 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 | 1 |
| 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. Create windows exes (\*) | 1 |
| 1. Create Ubuntu exes (\*) | 1 |
| 1. Save exes and entire dir structure to zips to release line (\*) | 1 |
| 1. Start it on iotdev.semnet.dom – with NS on port 1680 (\*) | 1 |
| 1. 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  (\*) | 1 |
| 1. Check document version numbers (\*) | 1 |
| 1. Create pdf versions of the release docs. Note that only these go to the customer (\*) | n/a |
| 1. Put Release doc Files in Release line (\*) | 1 |
| 1. Check in files (\*) | 1 |
| 1. Label release line with target release (\*) | 1 |