

Nokia XML Gateway Distribution Note

Date: 29 January 2008

1 Associated Documents

The following documentation accompanies this release:

1.1 Referenced Documents

| Document Name | Document Description |
|---------------------------------------|--|
| [Install Note] | This document describes the steps required to install and run a Gateway. |
| [Gateway Framework Distribution Note] | This document provides an overview of the release history of the common modules. |

1.2 Other Related Documents

| Document Name | Document Description |
|--------------------------------|---|
| [Nokia XML Gateway User Guide] | This document describes the vendor specific information on the Nokia Gateway. |

2 Introduction

You should read this Distribution Note before proceeding to install the Gateway Configuration.

For information on the Gateway Framework, its configuration and use refer to the [Gateway Framework User Guide].

The Gateway Framework and Vendor Gateway are supplied as separate packages. As part of the Vendor Gateway installation process, it must reference a Gateway Framework installation. This separation simplifies the maintenance and version control of multiple vendor Gateway installations on a single server.

This Distribution Note provides an overview of the release history of the Gateway Configuration.

3 Operating System Support

The Vendor Gateway is built using the generic Gateway Framework. The Vendor Gateway is currently supported on the platforms as in the Gateway Framework Distribution Note.

4 Perl Version

The Vendor Gateway requires Perl version 5.6.1.

5 Gateway Framework

The Vendor Gateway requires the Gateway Framework release 3.4 and above.

See [Gateway Framework Distribution Note].

The Gateway Framework and Vendor Gateway release and installation have been decoupled into separate packages and procedures.

See [Install Note].

6 Release History

6.1 Release 3.4.0

Release date 29 January 2008.

The table below lists the enhancements in this release:

| # | Description |
|---|-------------------------------------|
| 1 | Support for Gateway Framework 3.4.0 |

6.2 Release 3.3.1

Release date 1 November 2007.

The table below lists the enhancements in this release:

| # | Description |
|---|--|
| 1 | Include modules directory for Vendor Gateways |
| 2 | Enhancements for HEADER_DATA_RECORD_PROCESSING to allow changes to block names within EngineConfig |

Note:

The VENDOR_GATEWAY environment variable must be set to include the modules directory in the path before running Gateway, e.g.:

```
VENDOR_GATEWAY=${GATEWAY_ROOT}/modules/nokia-xml
```

6.3 Release 3.3.0

Release date 17 July 2007.

The following enhancements are included in this release:

| # | Description |
|---|-------------|
| 1 | Bluewash |

The following bugs are included in this release:

| Bug# | Description |
|-------|---|
| 58221 | Issues in Behaviour of Parser - Nokia XML (UMTS_NOKIA_UTRAN_RAS05.1_1.0.38 - Build2) |
| 58115 | Redundant LIF in UserConfig.pm |
| 58071 | Parsing Failed : Nokia UTRAN RAS5.1 - ERROR : Some required CPAN modules were not found |
| 57862 | Non - Additive counters repeated in UserConfig.pm |
| 55815 | XML_OUTPUT_BLOCK_DESCRIPTION should apply to final output block |
| 55777 | Not enough details in the Parser documentation |
| 55776 | Parser hang when handling a large number of files |
| 55638 | PIF output fails when too many output files |
| 55518 | UTRAN parser - PIF_Handler error |
| 54863 | Useful logging |
| 54793 | Nokia XML parser did not produce the data require by the loader(Nokia UTRAN TP) |
| 47677 | DN attribute not available in the header |

| | |
|-------|---|
| 47676 | No ordering mechanism for XML_HEADER_INFO_FOR_PIF_FILENAME counters |
| 47674 | Nokia XML GGSN parser doesn't support OMeS2 format |
| 37726 | Parser does not accept compressed input files |

6.4 Release 3.0.0

Release date 6 March 2006.

The following enhancements are included in this release:

| # | Description |
|---|--|
| 1 | Use of XML::Parser and Expat parsing technology |
| 2 | Compatible with Gateway Framework 3.0 and above |
| 3 | Support for Nokia OMeS 1.0 and 2.0 XML data format |
| 4 | Enhanced configuration with coding functionality for customised header and data records processing |
| 5 | Streamlined with 3GPP XML Gateway configuration entries |
| 6 | Linux support |

6.5 Release 2.4.1

Release date 5 January 2004.

The following enhancements are included in this release:

| # | Description |
|---|---|
| 1 | Support for Nokia XML network configuration data parsing. |

6.6 Release 2.4.0

Release date 14 November 2003.

The following bugs are fixed in this release:

| Bug # | Description |
|-------|---|
| 35735 | Nokia XML does not handle character data correctly |
| 35769 | Nokia XML parser can produce identical LIFs for SGSN and GGSN stats. |
| 35773 | Nokia XML parser needs to split object names |
| 35783 | The DN field must be cut into ID and NAME in our default configuration. |
| 35786 | Remove any element name and release information from the block name. |
| 35801 | Nokia XML Parser does not mark corrupt data with ".bad" extension |

6.7 Release 2.2.0

Release Date 18 March 2003

Ported to Xerces XML framework and version 2.2 of the Gateway framework.

6.8 Release 2.1.1

Release Date 12 January 2002

Initial release supporting Nokia UTRAN XML files and Inventory management XML files.

7 Type(s) and release(s) supported

| Vendor | Release | Element Sender Test |
|-------------------------|---------------|---------------------|
| Performance data | | |
| Nokia NetAct | 1.0, 1.1, 1.2 | UTRAN |

The format supported by the gateway is the xml that complies with XML specification from Nokia.

8 Raw input files

| Scope | Attended Format/Syntax |
|----------------------------------|--|
| Input files names to expect | data_exp_YYYYMMDDHHMMSSaa.xml File format: <prefix>.<mediator>.<target>.<yyyymmdd>.<hhmmss>.<number>.<type> where <prefix> Constant string "PM" 2 <mediator> Hostname of the mediator 1-20 <target> Target name 1-20 <yyyymmdd> Date of the measurements 8 SPECIFICATION 19 (24) NET/CO/PS/OSS/EMS 06/08/01 1.0 <hhmmss> Stopping time of the interval 6 <number> If two files would get same name. Optional. 0-3 <type> Type of file like "xml" 0-3 |
| Input file formats to expect | XML |
| Equipment/devices to expect data | 3G Network elements |

9 Hierarchy input files

| Scope | Attended Format/Syntax |
|----------------------------------|------------------------|
| Input files names to expect | N/A |
| Input file formats to expect | N/A |
| Equipment/devices to expect data | N/A |
| Extraction mechanism | N/A |
| Transfer mechanism | N/A |