

Upgrading SMS Gateway to Kannel 1.4.1 or 1.4.3

Introduction

This Technical Note describes the recommendations for performing SMS Gateway upgrades from SMS Gateway 1.2.1 to Kannel 1.4.1 or 1.4.3.

Service Center

Installation

Kannel 1.4.1 is supported in the following Platform Server versions:

- All revisions of all versions.

Kannel 1.4.3 is supported in the following Platform Server versions:

- 4.2, revision 4.2.4.83, or higher;
- 5.0, revision 5.0.2.34, or higher;
- 5.1, revision 5.1.1.7, or higher;
- All revisions of more recent versions .

In order to install Kannel 1.4.1 or 1.4.3 with Platform Server, first you must update your Platform Server version to one of the above revisions.

Configuration

The Platform Server 4.2, 5.0, and 5.1 versions support both Kannel 1.4.1 and 1.4.3, so you don't need to change the Platform Server configuration.

SMS Gateway (Kannel 1.4.1 or 1.4.3)

You can find the official source code, packages, build and installation instructions for Kannel 1.4.1 and 1.4.3 in the official website (<http://www.kannel.org>). Kannel 1.4.1 installation documentation can be found at <http://www.kannel.org/download/1.4.1/userguide-1.4.1/userguide.html#AEN177>, and Kannel 1.4.3 documentation at <http://www.kannel.org/download/1.4.3/userguide-1.4.3/userguide.html#AEN180>.

It is recommended that you install Kannel 1.4.1 or 1.4.3 in a different server than the actual SMS Gateway server to allow full testing on the new server and, this way, maintaining the Service Levels on the SMS Gateway.

Kannel Configuration - Breaking Changes

You have to update Kannel 1.2.1 configuration file to work version 1.4.1 or 1.4.3. Please execute the following actions:

1. Replace all ***smsc*** entries from type ***at2*** to type ***at***
2. Replace all ***smsc*** entries from type ***emi2*** to type ***emi***
3. To keep using MySQL backend to store DLR information:
 - a. Check the documentation at <http://www.kannel.org/download/1.4.1/userguide-1.4.1/userguide.html#AEN2817> for Kannel 1.4.1
 - b. Check Documentation and <http://www.kannel.org/download/1.4.3/userguide-1.4.3/userguide.html#AEN2913> for Kannel 1.4.3.
 - c. Replace parameters *mysql-username* and *mysql-password* with *username* and *password* respectively.
4. Locate the entries for SMS Services handled by Service Center (you should be able to do it by searching references to *"dispatcher.aspx"*)
 - a. For each entry, set the *max-messages* setting to 0 (zero).

See Also

As mentioned in the above sections, you might need to check the following:

- Kannel Homepage:
<http://www.kannel.org>
- Kannel 1.4.1 documentation:
<http://www.kannel.org/download/1.4.1/userguide-1.4.1/userguide.html>
- Kannel 1.4.1 installation documentation:
<http://www.kannel.org/download/1.4.1/userguide-1.4.1/userguide.html#AEN177>
- Kannel 1.4.1 DLR documentation:
<http://www.kannel.org/download/1.4.1/userguide-1.4.1/userguide.html#AEN2817>
- Kannel 1.4.3 documentation:
<http://www.kannel.org/download/1.4.3/userguide-1.4.3/userguide.html>
- Kannel 1.4.3 installation documentation:
<http://www.kannel.org/download/1.4.3/userguide-1.4.3/userguide.html#AEN180>
- Kannel 1.4.3 DLR documentation:
<http://www.kannel.org/download/1.4.3/userguide-1.4.3/userguide.html#AEN2913>