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Category	Java ME	Subcategory	Installation

Keywords (APIs, classes, methods, functions):

Description

According to MIDP specifications, whitespace characters are ignored before and after the JAD attribute value.

If the user tries to install a MIDlet where the JAD file has extra whitespace characters after the last JAD attribute/value pair, the installation fails with the prompt **Compulsory attributes missing**.

How to reproduce

1. Take the JAD file of any MIDlet and add whitespace characters after the last JAD attribute/value pair.
2. Try to install the MIDlet with the modified JAD file. For the affected devices, the installation fails with **Compulsory attributes missing**.

Solution

Remove extra whitespace characters from JAD files.

This issue is expected to be fixed in future software versions, starting with S60 5th Edition.