



eIDAS-Node Migration Guide

Version 1.4.5

Document history

Version	Date	Modification reason	Modified by
1.0	10/04/2019	Migration description to eIDAS-Node v1.4.5 (from eIDAS-Node v1.4.4).	DIGIT

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Table of contents

DOCUMENT HISTORY	2
TABLE OF CONTENTS	4
1. INTRODUCTION	5
1.1. Document structure	5
1.2. Document aims	5
2. PREREQUISITES	6
3. CHANGES	7
3.1. Summary of changes	7
3.2. Upgrade of Bouncycastle dependency to version 1.60	7
3.2.1. Code changes	7
3.2.2. Configuration changes	7
3.3. Upgrade Bootstrap dependency to version 4.3.1	8
3.3.1. Code changes	8
3.4. Other fixes/improvements	8
3.4.1. Updated Eidas Application Identifier value	8

1. Introduction

This document is intended for a technical audience consisting of developers, administrators and those requiring detailed technical information on how to configure, build and deploy the eIDAS-Node application.

The purpose of this document is to facilitate migration from eIDAS-Node v1.4.4 to eIDAS-Node v1.4.5.

1.1. Document structure

This document is divided into the following sections:

Chapter 1 — *Introduction*: this section.

Chapter 2 — *Prerequisites*: Identifies any prerequisites that are required before migrating your eIDAS-Node to version 1.4.5.

Chapter 3 — *Changes*: Contains detailed information about the changes that should be taken into consideration when migrating to eIDAS-Node version 1.4.5.

1.2. Document aims

The main aim of this document is to provide information on all the changes requiring your action when migrating to eIDAS-Node version 1.4.5, including:

- configuration changes; and
- changes to common code.

2. Prerequisites

Before starting your migration to eIDAS-Node version 1.4.5 you should have:

already implemented eIDAS-Node version 1.4.4;

downloaded the eIDAS-Node v1.4.5 Integration Package; and

downloaded the latest documentation.

3. Changes

3.1. Summary of changes

In eIDAS-Node version 1.4.5 there are several changes that will affect your installation.

3.2. Upgrade of Bouncycastle dependency to version 1.60

Bouncycastle dependency was upgraded from v1.52 to v1.60 due to reported CVEs in this dependency. The latest Bouncycastle version 1.61 is not used due to a jar signature validation issue in Jboss7 related to the bcprov-jdk15on-161.jar.

The following vulnerabilities were cleared by this upgrade:

EID-823	CVE-2016-1000338
EID-824	CVE-2016-1000339
EID-825	CVE-2016-1000340
EID-826	CVE-2016-1000341
EID-827	CVE-2016-1000342
EID-828	CVE-2016-1000343
EID-829	CVE-2016-1000344
EID-830	CVE-2016-1000345
EID-831	CVE-2016-1000346
EID-832	CVE-2016-1000352
EID-833	CVE-2017-13098
EID-834	CVE-2018-1000613

3.2.1. Code changes

The EIDAS-Parent/pom.xml was changed, in the following property:

```
<bouncycastle.version>1.60</bouncycastle.version>
```

which previously had the value of 1.52 and it is now 1.60.

3.2.2. Configuration changes

In AdditionalFiles/JBOSS7/org/bouncycastle/main:

- a file named bcprov-jdk15on-1.52.jar was replaced by a signed version of bcprov-jdk15on-1.60.jar from <https://www.bouncycastle.org/download/bcprov-jdk15on-160.jar> (160 was renamed 1.60);
- the module.xml was changed so that now it holds <resource-root path="bcprov-jdk15on-1.60.jar"/>

3.3. Upgrade Bootstrap dependency to version 4.3.1

Bootstrap dependency was upgraded from v3.3.5 to the latest available v4.3.1 due to reported CVEs related to this dependency.

The following vulnerabilities were cleared by this upgrade:

EID-802 Vulnerable version of Bootstrap

EID-818 CVE-2018-14040

EID-820 CVE-2018-14041

EID-821 CVE-2018-14042

EID-822 CVE-2019-8331

3.3.1. Code changes

The following files content:

- EIDAS-Node/src/main/webapp/resource/skin0/css/bootstrap.min.css
- EIDAS-Node/src/main/webapp/resource/skin0/js/bootstrap.min.js

were replaced by the content of Bootstrap version 4.3.1

3.4. Other fixes/improvements

3.4.1. Updated Eidas Application Identifier value

The `eidas.application.identifier` property value was updated to version CEF:eIDAS-ref:1.4.5 for EidasNode (`eidas.xml`), SP (`sp.properties`) and IdP (`idp.properties`).