

BankID Release notes - 2016 Dublin

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[TLP: White \(Public\)](#)

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1 Introduction

This document contains information about the production release Dublin and is updated since the last release which was the production release for BankID 2.1 Chişinău.

BankID release Dublin contains a complete set of documentation and software regardless if there are changes or updates or not. All the documents have the name of the release to make it visible what set of documentation and software that is compatible with the release.

Chapter 3 and 4 contain an overview of the updated and changed documents and software for this release. Please also note the document references in the table in chapter 3 which are used to make references from one document to another. An example of this is [IMPLW] which is a reference to the document «BankID Implementation Guide Web-client».

An overview of the tested platform combinations can be found in chapter 5.1 and an overview of the most important fixes since the last release can be found in chapter 6. For an overview of the known issues in this release we do refer to this web page: <https://www.bankid.no/Hjelp-og-nyttige-verktoy/Problemer-med-a-bruke-BankID/Kjente-feil-og-mangler--Known-issues/>.

The main delivery for Release Dublin is removal of SSLv2 and SSLv3 support, security fixes for the Client proxy and minor maintenance and error corrections. The release is backward compatible with BankID 2.0 and BankID 2.1. No update at the merchant side is needed besides to ensure that it supports connections towards BankID COI with TLS 1.0/1.1/1.2.

Some OS/Browser combinations are of several reasons blacklisted for use of the Web client. Updated information of the blacklisted combinations can be found on this page: <https://www.bankid.no/Hjelp-og-nyttige-verktoy/Problemer-med-a-bruke-BankID/Blacklist/>.

The BankID Web-client will function in parallel with the other clients for Java, iOS and Android. There is no decided end of life for the older clients but BankID Norge AS do strongly recommend migrating to the Web-client.

For support or other inquiries please use this mail address: support@bankid.no.

2 Content of BankID Release Dublin

The content of this release is summarized in this chapter.

2.1 BankID Web-client

There are only minor accessibility changes to the client in this release.

Client proxy

Client proxy is a component to support the process of signing documents with BankID. The component was first introduced in BankID 2.1 Chişinău and validates the documents to be signed. The component is a prerequisite to start using multi document signing and is dependent of an upgraded BankID Server at the Merchant. Please see [IMPLW] for details.

For the Client proxy there are some security upgrades done with the Dublin release. No new functionality is introduced.

2.2 BankID on mobile

There are no new changes introduced to BankID on Mobile in this release.

2.3 BankID Server

The BankID server version following this release is the same version that was introduced in BankID 2.1 Chişinău. There are no changes or updates done for BankID server in this release. BankID server supports all types of BankID clients.

2.4 BankID tools

There are two sites with tools for testing the BankID clients. No updates are done on these tools to this release.

The sites can be found here:

- <https://services.bankid.no>
- <https://tools.bankid.no>

The document **BankID Services Interface Description** [BSID] contains a description of URLs and tools available for the first site. The second site has a menu presenting the tools available.

These tools are also available in the preproduction environment on <https://services-preprod.bankid.no> and <https://tools-preprod.bankid.no>.

2.5 Documentation

The structure of the documentation is mainly as for the recent releases.

We recommend readers unknown to BankID to read **BankID COI White Paper** [WP] first and then read the **BankID Quick Start Guide** [BIDG] and the implementation guides [IMPL] and [IMPLW].

For implementation of the BankID Web-client to the merchant web pages we recommend to study **BankID Merchant Application Frontend Considerations** [IMMC] to get guidance.

Please note that the document **BankID Error Messages and Error Codes Overview** [BEMEC] is now splitted in two separate documents **BankID Error Codes** [BEMEC] and **BankID Services Error Codes** [BSEC]. The target

groups of these documents are customer support services at Banks/Merchants and developers integrating an application with BankID. Note that developers should be familiar with both of these documents.

2.6 Other software compatible with this release

BankID Java client

BankID Java client is not updated for this release.

BankID iOS App client

BankID iOS App client is not updated for this release.

BankID Android App client

BankID Android App client is not updated for this release.

BankID Client proxy

The BankID Client proxy is not updated with new functionality for this release.

There is a separate release package for the Client proxy for merchants that want to run their own separate Client proxy. Please contact support@bankid.no if you want access to this release package.

3 Documentation connected to this release

This is an overview of all documentation for this release. The column “Updated to Dublin” indicates if the document has been updated to this release or not. Some UDDs for the older clients was not a part of the recent release packages but are reintroduced in this release. These are marked with “Re” in the table.

Some of the documents have also changed security gradation to this release. These documents are marked as not updated to the release as the only change is the gradation. However the version numbers of the documents have been updated. Read more about the security gradation of BankID documents on this page: <https://www.bankid.no/TLP/>.

Document	Reference name	Updated to Dublin	Version	Folder
BankID Releasenotes		Yes	Dublin	\
BankID COI WhitePaper	[WP]	Yes	2.7	\Doc
BankID Implementation Guide	[IMPL]	No	3.9.1	\Doc
BankID Implementation Guide Web-client	[IMPLW]	Yes	2.0.4	\Doc
BankID Interface Description BankID C Server	[ICSRV]	No	3.4.2	\Doc
BankID Interface Description BankID Java Server	[IJSRV]	No	2.16	\Doc
BankID Upgrade Guide BankID Java Server	[UGJSRV]	No	1.2.1	\Doc
BankID Upgrade Guide BankID C Server	[UGCSRV]	No	1.4.1	\Doc
BankID Services Interface Description	[BSID]	No	3.7.4	\Doc
BankID Error Codes Dublin	[BEMEC]	Yes	5.8	\Doc
BankID Services Error Codes Dublin	[BSEC]	New	1.0	\Doc

BankID Quick Start Guides (zip-fil)	[BIDG]	No	5.1.3	\Doc
WebUDD*	[WEBUDD]	Yes	483	\Udd
BankID Web-client UDD-viewer user manual	[BWUDDM]	No	1.2.1	\Udd
BankID Android UDD	[NUDD-A]	Re	1.5	\Udd
BankID iOS UDD	[NUDD-i]	Re	1.5	\Udd
UDD-Java	[NUDD-J]	Re	5.5.2	\Udd
UDD-Java miniMode	[NUDD-Jm]	Re	5.5.2	\Udd
BankID Merchant Application Frontend Considerations	[IMMC]	No	1.47	\Doc
BankID HAT UserGuide	[HAT]	No	1.9.4	\Hat
BankID Interface Description Archive	[IDA]	No	1.2.1	\Doc
Brukergrensesnitt BankID Mobil*		No	N/A	\Doc

* Is delivered as a user manual and a zip file which needs to be installed locally.

As mentioned in Chapter 1 a release package for Client proxy for merchants that want to run this software locally also exists. To get access to this package please contact support@bankid.no.

4 Software connected to this release

This table is an overview over the software for merchants connected to this release. No software for merchants has been updated to release Dublin.

Software	Updated to this release	Version	Folder
BankID C Server	No	5.1.2	\BIDCSERVER v5_1
BankID Java Server	No	5.1.2	\BIDJSERVER v5_1
BankID Hat	No	1.8.4	\Hat
Javascript for utskutt tastebiometri	No	N/A	\Utils\UserProfile
Detector applet	No	N/A	\Utils\DetectorApplet

Example implementations for BankID java and C server are delivered separately and can be downloaded from www.bankid.no.

5 Supported platforms

5.1 BankID Web-client

Support for the BankID Web-client is dependent of that the browser has support for JavaScript and HTML5. The majority of all modern browsers on both computers and phones/tablets do have such support but the performance will vary dependent on the processor of the device. The Web-client is designed to run on every browser that supports the mentioned web technologies and will by it self do a detection to see if the browser is compatible. The Web-client will not start if it determines that the browser does not support the mentioned technologies.

Merchants do also have access to a separate feature detection script to determine if the browser is compatible or not. It is a recommendation to implement this script. Please see BankID Implementation Guide Web-client [IMPLW] and Quick Start Guide [BIDG] for more information.

To release Dublin it has been done a thorough test on desktops with Windows 7, Windows 10 and OSX 10.10 and on mobiles with Android 5.1.1 and iOS 9.1. It has also been done smoke testing on several other platforms.

The following list describes the combinations fully tested for Release BankID 2.1.0 Dublin. The client will support a lot more combinations than the ones mentioned below, but these combinations have been verified during the test phase.

Nets have done a functional test and regression test of the following combinations for the Dublin release:

Type	Device	OS	Browser
Desktop	Windows-PC	Windows 7	Internet Explorer 11
Desktop	MacBook Pro	OSX 10.10.3	Safari
Desktop	Linux-PC	Ubuntu 14.10	Firefox 40
Desktop	Windows-PC	Windows 7	Firefox 39
Desktop	Windows-PC	Windows 7	Internet Explorer 9
Desktop	Windows-PC	Windows 7	Chrome 43
Desktop	Windows-PC	Windows 10	Microsoft Edge
Mobil	Samsung Galaxy S5	Android 5.1	Chrome 43
Mobil	Nexus 5	Android 5.1	Chrome
Mobil	Samsung Galaxy S4 mini	Android 4.2.2	Chrome 43
Tablet	Sony Xperia Z	Android 5.0	Chrome 43
Mobil	iPhone 6+	IOS 8.4	Safari
Mobil	iPhone 5s	IOS 8.4	Safari
Tablet	iPad	IOS 9 beta	Safari
Tablet	iPad Air	IOS 8.4	Safari

Knowit has done a functional test and regression test of the following combinations for the Dublin release:

Type	Device	OS	Browser
Desktop	Windows-PC	Windows 8.1	Internet Explorer 11
Desktop	MacBook Pro	OSX 10.10.2	Chrome
Mobil	iPhone 6	IOS 8.2	Safari 8.2

Knowit has also done a combination test of the following combinations for the Dublin release:

Type	Device	OS	Browser
Desktop	Windows-PC	Windows 7	Internet Explorer 10
Mobil	Samsung S4	Android 4.4.2	Platform
Mobil	IPhone 4s	IOS 8.1.1	Safari
Mobil	HTC One	Android 5.0.2	Platform
Tablet	Samsung Note 4 (10.1)	Android 4.3	Platform
Mobil	IPhone 6	IOS 8.2	Safari 8.2

Knowit has also used the following combinations for their test for the Dublin release:

Type	Device	OS	Browser
Mobil	Samsung S5	Android 4.4.2	Platform
Mobil	Samsung Tab 4	Android 4.4.2	Platform
Mobil	IPhone 6	IOS 8.2	Safari 8.2

Internet Explorer 8 and older versions of Internet explorer do not support the needed web technologies and will therefore be unable to run the BankID Web-client.

In addition some browsers are black listed of various reasons and will also be unable to run the BankID Web-client. Please see this web page to get updated information of the current blacklist:

<https://www.bankid.no/Hjelp-og-nyttige-verktoy/Problemer-med-a-bruke-BankID/Blacklist/>.

5.2 Tested accessibility tools for the Web-client

The BankID Web-client is developed to be compliant with the WCAG 2.0 standard as described in *Forskrift om universell utforming av informasjons- og kommunikasjonsteknologiske (IKT) løsninger* and in §14 in *Lov om forbud mot diskriminering på grunn av nedsatt funksjonsevne (Diskriminerings- og tilgjengelighetsloven)*.

The BankID Web-client has been tested with the following accessibility tools:

Accessibility tools:	JAWS 16 Window-Eyes 8.4 NVDA 2015:2 TalkBack on Android 5.1.1 VoiceOver on Mac OSX 10.10.5
Browsers:	Internet Explorer 11 Internet Explorer 10 Mozilla Firefox 39 on Windows, 40 on Mac Chrome 45 on Mac and Android Firefox 40 on Android Safari 8 for OSX

5.3 BankID Java client

The support for BankID Java client is decided by several parameters as:

- Operating system
- Browser type and version
- The browsers support for Java

BankID Java client is designed to be able to run on the following combinations:

Operating systems:	Microsoft Windows (XP, Vista, 7, 8, 10) Linux Mac OS X (10.4, 10.7 and 10.8)
Browsers:	Internet Explorer from version 8 (win) Firefox from version 11 (win, mac, Linux) Opera from version 12 (win, mac, Linux) Safari from version 6 (mac) Chrome from version 21 (win, mac, Linux)
Java:	Oracle Java Runtime 1.7, 1.6, 1.8 Oracle Java Runtime 1.5 (only for Motorola mac)

A number of combinations of the above will be able to run the BankID Java client. The BankID Java client is designed to run Oracle Java but will also run with OpenJDK on Linux for some combinations. It is still recommended for Linux users to run Oracle Java.

List over fully tested combinations:

OS	Browser	Java
Win XP SP3	IE 8.0	Sun JRE 1.7.0u13
Win8	IE10	Sun JRE 1.7.0u25
Win8	Google Chrome 25	Sun JRE 1.7.0u25
Win XP SP3	Google Chrome 25	Sun JRE 1.7.0u25
Win XP SP3	IE 8.0	Sun JRE 1.6.0u45
Win8	Firefox 19	Sun JRE 1.7.0u25
Linux Ubuntu 12.04	Chrome 24	Sun JRE 1.6.0_u45
Linux Ubuntu 12.04	Chrome 24	OpenJDK 7
Linux Ubuntu 12.04	Chrome 24	Sun JRE 1.7.0u25

Linux Ubuntu 12.04	Firefox 18	Sun JRE 1.7.0u25
Linux Ubuntu 12.04 (64-bit)	Firefox 18	Sun JRE 1.7.0u25
Linux Ubuntu 12.04 (64-bit)	Chrome 24	Sun JRE 1.7.0u25
Windows7	Explorer 8	Sun JRE 1.7.0u25
Windows7	Firefox 19	Sun JRE 1.7.0u25
Windows7	Chrome 25	Sun JRE 1.7.0u25
Windows7 64 bit	Opera 12.14	Sun JRE 1.7.0u25
Windows7 64-bit	Explorer 9	Sun JRE 1.7.0u25
Mac OSX 10.8 Mountain Lion	Safari 6.02	Sun JRE 1.7.0u25
Mac OSX 10.8 Mountain Lion	Opera 12.14	Sun JRE 1.7.0u25
Mac OSX 10.8 Mountain Lion	Chrome 24	Sun JRE 1.7.0u25
Mac OSX 10.8 Mountain Lion	Firefox 18	Sun JRE 1.7.0u25
Mac OSX (10.4.7)	Safari 6.02	SUN JRE 1.5.0_06
Windows7 64 bit	Opera 12.14	Sun JRE 1.7.0u25
Windows7 64-bit	Explorer 10	Sun JRE 1.7.0u25

List over verified but not fully tested combinations:

OS	Browser	Java
Windows Vista	IE 8.0	Sun JRE 1.7.0u25
Windows Vista	Firefox 3.6.10	Sun JRE 1.7.0u25
Windows Vista	Opera 10	Sun JRE 1.7.0u25
Windows Vista	Chrome 6	Sun JRE 1.7.0u25
Win XP SP2	Firefox 3.6.10	Sun JRE 1.7.0u25
Win XP SP2	Explorer 7.0	Sun JRE 1.7.0u25
Win XP SP2	Opera 9.25	Sun JRE 1.7.0u25
Win XP SP2	Explorer 8	Sun JRE 1.7.0u25
Win XP SP2	Chrome 6	Sun JRE 1.7.0u25
Win XP SP3	Safari 6	Sun JRE 1.7.0u25
Fedora Core 10	Opera 12.02	Sun JRE 1.7.0u25
Fedora Core 10	Firefox 18	Sun JRE 1.7.0u25
Linux Ubuntu 8.10 (64-bit)	Firefox 18	Sun JRE 1.7.0u25
Linux Ubuntu 8.10 (64-bit)	Chrome 24	Sun JRE 1.7.0u25
Win2003 Server SP1	Explorer 6.0	1.5.0_10
Mac OSX 10.6.1 Snow Leop.	Safari 6	Sun JRE 1.6.0_45
Mac OSX 10.6.1 Snow Leop.	Opera 12.02	Sun JRE 1.6.0_45
Mac OSX 10.6.1 Snow Leop.	Firefox 15	Sun JRE 1.6.0_45
Mac OSX 10.6.1 Snow Leop.	Chrome 21	Sun JRE 1.6.0_45
Mac OSX (10.4.7)	Opera 9.10	SUN JRE 1.5.0_06
Mac OSX (10.4.7)	Firefox 1.5	SUN JRE 1.5.0_06
Windows Vista 64-bit	Explorer 7.0 (64 bit)	Sun JRE 1.6.0_45
Win XP SP2 64 bit	Explorer 7.0 (64 bit)	Sun JRE 1.6.0_45

5.4 BankID iOS client

The BankID iOS client is supported by iOS 5.0.1 and up.

Tested versions:

Device	OS version	Browser
iPod touch 4 gen	6.1	Safari
iPod touch 3 gen	5.1.1	Safari

iPad 1	5.1.1	Safari
iPad 2	6.1	Safari
iPad 3	6.1	Safari
iPhone 4	6.1	Safari
iPhone 4s	6.1.1	Safari
iPhone 4s	6.1	Safari
iPhone 5	6.1	Safari

5.5 BankID Android client

The BankID Android client is supported in Android version 4.0 and up.

Tested versions:

Device	OS version	Browser
ASUS Pad TF300TG	4.1	Android
Samsung Mobil Galaxy S III	4.1.2	Android
Samsung Mobil Galaxy S III	4.0.4	Android
Galaxy Nexus	4.2.2	Android
Samsung Mobil Galaxy S II	4.1.2	Android
S/E Xperia Mini Pro	2.3.4	Android
LG Nexus 4	4.2.2	Android

5.6 BankID Server

BankID Server has been tested and verified on the following combinations:

Platform	BID Server ver	BID server type	Run time environment
Win. 2003, SP1	5.1	Java	SUN JRE 1.6
		C	-
	3.2	Java	SUN JRE 1.5
		C	-
Solaris 10	5.1	Java	SUN JRE 1.7
		C	-
Win2008 64bit	5.1	Java	SUN JRE 1.6
		C	-
Linux 64bit	5.1	Java	SUN JRE 1.7
		C	-

6 Changes and Bug fixing

6.1 Bug fixing

The most important bugs fixed to this release:

- Several Accessibility fixes in the Web-client.
- Display OTP Friendly name in all OTP fields
- Display BankID Friendly name in all password fields.
- Several security fixes for Client proxy.
- Other minor bug fixes.

6.2 Changes

The most important changes in this release:

- Upgrade of encryption in BankID endpoints.

6.3 Known issues

Please see this web page for known issues related to this release: <https://www.bankid.no/Hjelp-og-nyttige-verktoy/Problemer-med-a-bruke-BankID/Kjente-feil-og-mangler--Known-issues/>.

7 Deployment dates

The planned production dates for BankID Release Dublin:

Preproduction	27.01.2016 kl 16:00 – 21:00
Production	10.02.2016 kl 00:00 – 05:00