



Compatibility and Requirements
Imprivata OneSign® with 10ZiG
NOS Zero clients

Document History

| | |
|-----|----------------------------|
| 1.0 | First Draft Release |
| 1.1 | Support of Omnikey 5022 CL |

Introduction

Imprivata OneSign® is a single sign-on (SSO) enterprise solution optimized for care providers. Imprivata OneSign® provides fast and secure access to systems and clinical/administrative applications, which streamlines clinical workflows and drives EMR adoption.

10ZiG NOS Zero clients integrate the Imprivata OneSign® technology by consuming Imprivata ProveID APIs.

This compatibility guide lists the supported hardware and software for use with Imprivata OneSign® in conjunction with 10ZiG NOS Zero Clients.

Imprivata OneSign® Compatibility

To use the 10ZiG NOS Zero clients with Imprivata OneSign®, the Imprivata appliance must be correctly licensed and configured. As of time of publishing 10ZiG NOS Zero clients have been tested and verified with the following Imprivata appliance versions:

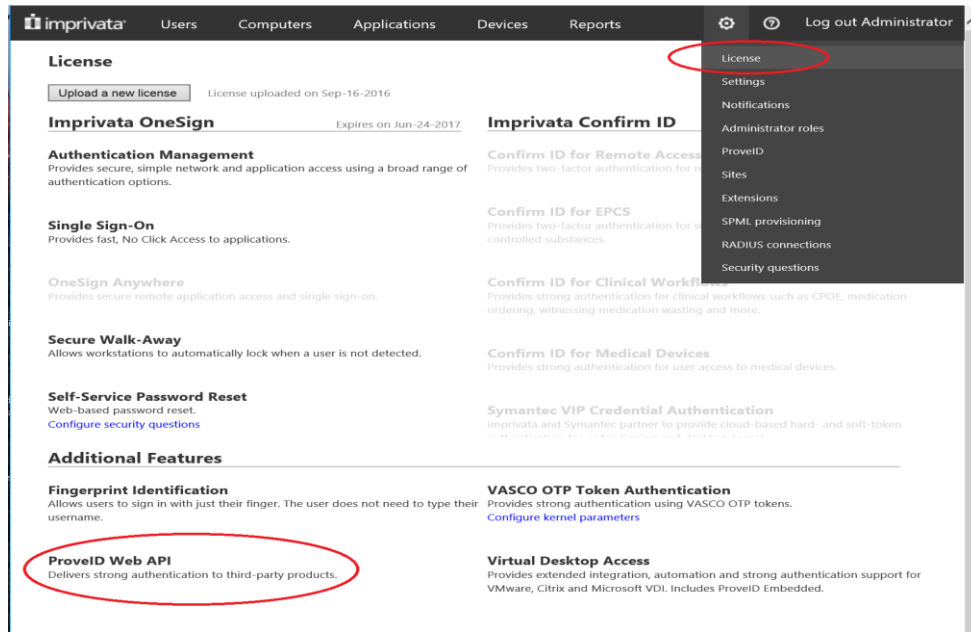
v4.9
v5.0
v5.1
v5.2
v5.3
v5.4

Imprivata OneSign® License requirements

To use 10ZiG NOS Zero clients with Imprivata OneSign® you need specific licensed features from Imprivata:

- ProveID Web API
- Virtual Desktop Access

To check your current license, go to the <gear icon>->License page as shown in the following screenshot:



Virtual Desktop Compatibility

10ZiG NOS Zero Clients are currently supported with the following Virtual Desktops and Published Application providers via the Imprivata ProveID Web API.

Citrix XenApp – See [Citrix compatibility](#)

Citrix XenDesktop – See [Citrix compatibility](#)

VMware Horizon – See [VMware compatibility](#)

Citrix Compatibility

The Imprivata virtual appliance redirects an authenticated user towards Citrix Storefront / Citrix Web Interface via the services site. This is commonly referred to as the PNAgent site.

Compatibility is not restricted to any specific Citrix version, however the services site (PNAgent) must be configured and available for use in conjunction with the Imprivata Virtual Appliance.

As of time of writing the following versions of Citrix Storefront have been tested successfully.

Storefront 2.6

Storefront 3.4

Additionally the following versions of Citrix XenApp and XenDesktop have been tested successfully.

XenApp / XenDesktop 7.6
XenApp / XenDesktop 7.9
XenApp / XenDesktop 7.11
XenApp / XenDesktop 7.12

VMware Compatibility

The Imprivata virtual appliance redirects an authenticated user towards a VMware Horizon Connection Server. This is typically via an SSL based connection.

Compatibility is not restricted to any specific VMware Horizon. Similarly, the same is true when connecting to earlier versions, including VMware Horizon View and VMware View.

As of time of writing the following versions of VMware Horizon have been tested successfully.

VMware Horizon 7.0
VMware Horizon 7.01
VMware Horizon 7.03

10ZiG NOS Zero Client Compatibility

Supported products

The Imprivata ProveID WebAPI is supported under the following 10ZiG NOS Zero clients for Citrix and VMware deployments.

Citrix Zero Clients

4448c – Intel Dual Core 1.33GHz Zero Client for Citrix – Dual DVI (DVI-I / DVI-D)
5848qc – Intel Quad Core 2.0GHz Zero Client for Citrix – Dual DVI (DVI-I / DVI-D)
5848qcd – Intel Quad Core 2.0GHz Zero Client for Citrix – Dual DisplayPort

VMware Zero Clients

4448v – Intel Dual Core 1.33GHz Zero Client for VMware – Dual DVI (DVI-I / DVI-D)
5848qv – Intel Quad Core 2.0GHz Zero Client for VMware – Dual DVI (DVI-I / DVI-D)
5848qvcd – Intel Quad Core 2.0GHz Zero Client for VMware – Dual DisplayPort

Supported authentication methods

10ZiG NOS zero clients currently support the following authentication methods:

- Username and password
- Proximity card only
- Proximity card with PIN as a secondary authentication factor
- Proximity card with password as a secondary authentication factor
- Question and answer authentication used to reset the user password

Additional authentication methods will be supported in future 10ZiG firmware releases.

Firmware version compatibility

10ZiG NOS Zero clients support Imprivata OneSign® from version 10.12.145.7.

If you have a firmware older than this, you are required to upgrade client firmware.

Supported Proximity Cards readers

Contact-based and Contact-less smart card readers are support with Imprivata OneSign® and 10ZiG NOS Zero Clients.

The term “Smart Cards” refers to contact-based smart cards and “Proximity Cards” are referred to as contact-less smart card readers.

The 10ZiG Imprivata ProveID WebAPI agent supports any contact/contact-less card reader compatible with the pcsc ccid driver (<https://pcsc-lite.alioth.debian.org/ccid.html>).

Some readers are supported through the specific preinstalled driver.

Tested Readers

The following table includes the tested contact/contact-less smart card readers.

| Model | Type | Driver type | Notes |
|------------------|-------------------|--------------|-------|
| OmniKey 5021 CL | proximity | custom | |
| OmniKey 5022 CL | proximity | custom | |
| OmniKey 5421 | dual prox/contact | custom | |
| OmniKey 3021 | contact | custom | |
| OmniKey 5321CR | proximity | custom | |
| OmniKey 5321CRv2 | proximity | custom | |
| ACS ACR 122U | proximity | generic ccid | |
| ACS ACR 1250U | proximity | generic ccid | |

| | | | |
|--|-----------|--------|--|
| RFIDeas/Imprivata HDW-IMP-80 | proximity | custom | |
| RFIDeas/Imprivata HDW-IMP-75 | proximity | custom | |
| RFIDeas pcProx Plus – P/N RDR-80582AKU | proximity | custom | |
| Cherry KC 1000 SC | contact | custom | Keyboard with embedded smart card reader |
| Dell SK 3205 | contact | | Keyboard with embedded smart card reader |

HID OmniKey readers listed in the pcsc driver:

The 10ZiG NOS Zero client uses the pcsclite technology to handle most of the Smart Card/Proximity Card readers.

The 10ZiG NOS zero client includes the latest Hid OmniKey driver for pcsc.

The following list includes all the readers theoretically supported by the 10ZiG NOS, but **NOT** actually tested.

OMNIKEY CardMan (076B:1021) 1021
 OMNIKEY CardMan (076B:0596) 2020
 OMNIKEY CardMan (076B:3020) 3020
 OMNIKEY CardMan (076B:3620) 3620
 OMNIKEY CardMan (076B:7021) 3121
 OMNIKEY CardMan (076B:3621) 3621
 OMNIKEY CardMan (076B:3623) 3621
 OMNIKEY CardMan (076B:3821) 3821
 OMNIKEY CardMan (076B:3822) 3821
 OMNIKEY CardMan (076B:3823) 3821
 OMNIKEY CardMan (076B:5820) 4121 CL
 OMNIKEY CardMan (076B:4321) 4321
 OMNIKEY CardMan (076B:512D) 5025 PROX CL
 OMNIKEY CardMan (076B:502A) 5025 PROX CL
 OMNIKEY CardMan (076B:5120) 5120 CL
 OMNIKEY CardMan (076B:5121) 5121
 OMNIKEY CardMan (076B:C001) 5121
 OMNIKEY CardMan (076B:C100) 5121
 OMNIKEY CardMan (076B:C101) 5121
 OMNIKEY CardMan (076B:5124) 5124 CL
 OMNIKEY CardMan (076B:5125) 5125
 OMNIKEY CardMan (076B:C104) 5125 CL
 OMNIKEY CardMan (076B:C105) 5125
 OMNIKEY CardMan (076B:5127) 5127 CK
 OMNIKEY CardMan (076B:5220) 5220 Pay CL
 OMNIKEY CardMan (076B:5221) 5221 Pay
 OMNIKEY CardMan (076B:5311) 5321
 OMNIKEY CardMan (076B:5321) 5321

OMNIKEY CardMan (076B:532A) 5321 CLi
OMNIKEY CardMan (076B:532B) 5321 Pay
OMNIKEY CardMan (076B:A521) 5321
OMNIKEY CardMan (076B:5325) 5325
OMNIKEY CardMan (076B:5326) 5326 DFR
OMNIKEY CardMan (076B:1784) 6020
OMNIKEY CardMan (076B:6622) 6121
OMNIKEY CardMan (076B:6623) 6121
OMNIKEY CardMan (076B:6310) 6311 CL
OMNIKEY CardMan (076B:6320) 6321 CL
OMNIKEY CardMan (076B:6321) 6321
OMNIKEY CardMan (076B:632A) 6321 CLi
OMNIKEY CardMan (076B:1BD0) 7120
OMNIKEY CardMan (076B:1BD1) 7121
OMNIKEY CardMan (076B:8630) 8630
OMNIKEY CardMan (076B:9621) 9621
CCID SC Reader (076B:A011) Keyboard
CCID SC Reader (076B:A012) Keyboard
CCID SC Reader (076B:A021)
CCID SC Reader (076B:A022)
CCID SC Reader (076B:A023)
CCID SC Reader (076B:A024)
CCID SC Reader (076B:A111) Keyboard
CCID SC Reader (076B:A112) Keyboard
CCID SC Reader (076B:A721)
CCID SC Reader (076B:B000) HID identiCLASS
CCID SC Reader (076B:B001) iCLASS Smart@Link
CCID SC Reader (076B:C000)
CCID SC Reader (076B:C200)
CCID SC Reader (076B:C300)
CCID SC Reader (0BF8:1005) Keyboard
CCID SC Reader (0BF8:1006) Keyboard
CCID SC Reader (0BF8:101B) Fujitsu D321
CCID SC Reader (0BF8:1021) Fujitsu G87 SC Contact Keyboard
Cherry SmartBoard XX44 (046A:0010)
Cherry SmartTerminal XX44 (046A:002D)
Cherry SmartTerminal XX44 (046A:007B)
Cherry SC Reader (046A:0090)
Cherry SC Reader (046A:0091)
Cherry SC Reader (046A:0092)
Cherry SC Reader (046A:00A3)

Generic CCID Readers

As mentioned, the 10ZiG NOS zero clients use the pcsclite technology to handle the Smart/Prox Card readers.

Most of these readers are compatible with the CCID standard.

The pcsclite package include a generic CCID driver so any reader compatible with this standard **should** be supported.

For a list of CCID compatible proximity/contact smart card readers refer to the following web page: <http://pcsc-lite.alioth.debian.org/ccid/supported.html>

10ZiG Contact Details

Please contact your 10ZiG account manager or Technical support for further questions relating to Imprivata OneSign® and 10ZiG NOS compatibility.

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