



TLS 1.2 enforcement

Who, what and why

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Versie: 1.0

Inhoudstafel

1	General	2
1.1	What is TLS	2
1.2	What and why will we do this	2
2	How does this impact.....	2
2.1	Citrix	2
2.1.1	Citrix Client	2
2.1.2	How will the upgrade be performed.....	3
2.2	Web portals.....	4
2.2.1	Browser	4
2.2.2	How will the upgrade be performed.....	4
3	Need help.....	4

1 General

1.1 What is TLS

TLS or Transport Layer Security. This is a protocol, that allows you to create a secure, encrypted connection. The first release, version 1.0, exists since 1999, in 2006 version 1.1 was released and in 2008 version 1.2.

1.2 What and why will we do this

To provide the best-in-class encryption to our customers, we will start discontinuing the support for Transport Layer Security (TLS) versions 1.0 and 1.1

Our TLS 1.0 and TLS 1.1 implementation has no known security vulnerabilities. But because of the potential for future protocol downgrade attacks and other TLS vulnerabilities, we are discontinuing support for TLS 1.0 and 1.1

2 How does this impact you

2.1 Citrix

2.1.1 Citrix Client

The change of this configuration itself will not have cause an interruption if you are working in an application. If you are using an older citrix client, which doesn't support TLS 1.2, you will not be able to start your application(s) and need to install a new citrix receiver. You can do this with the help of our [Diagnostic tool](#) (windows only) or direct from the citrix website:

<https://www.citrix.com/products/receiver.html> and install the Citrix workspace app.

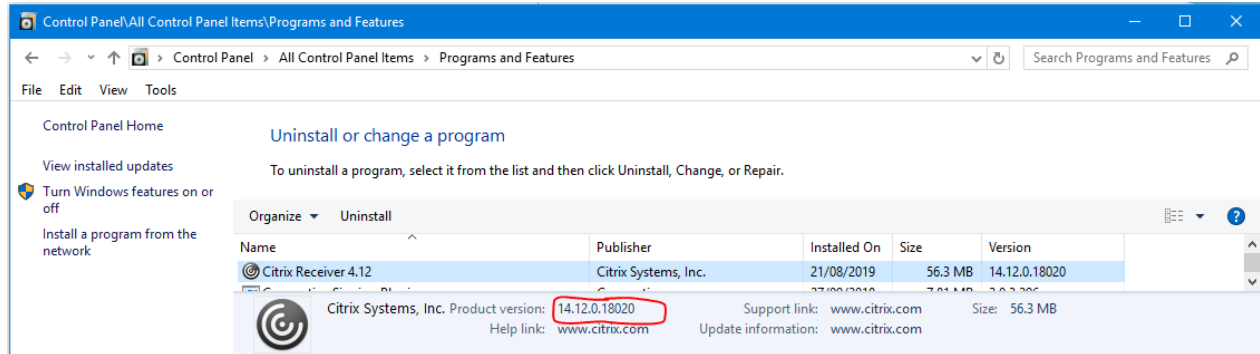
Minimum supported citrix client version:

- Windows: 14.4.100.10
- Mac: 12.8.1

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2.1.1.1 Windows

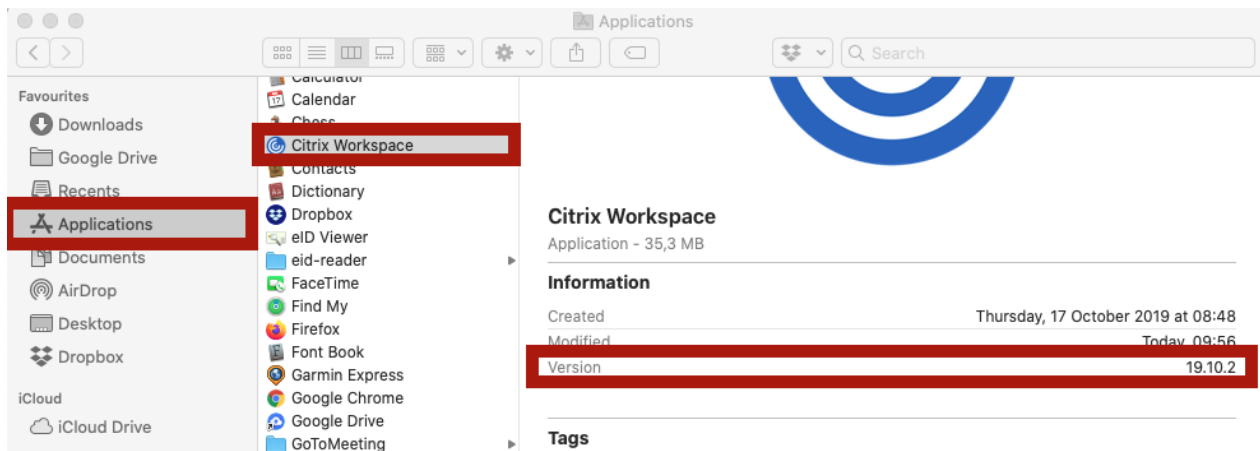
To check the version of the Citrix Receiver or Citrix Workspace, go to the “Programs & features” in the control panel. Below the print screen the minimum supported versions



If you want, we can provide you a list of your clients which have made a connection the last week with an unsupported version

2.1.1.2 Mac

To check the citrix receiver, go to “Applications” in Finder, select Citrix Receiver or Citrix Workspace and view the version information on the right



2.1.2 How will the upgrade be performed

We will gradually change the configuration on our environment. We will start on February 13 and expect to be done by March 10 2020.

We have a set of load balanced Citrix NetScaler's. On every machine, we will adapt the configuration. To prevent interruptions for our clients, we will adapt the configuration on a limited set of machines every day.

2.2 Web applications

2.2.1 Browser

Every supported major browser already supports TLS 1.2 for many years. If you however are using an unsupported Operating System of browser, you might not be able to open a web portal afterwards.

Browser	Support TLS 1.2 since version
Internet Explorer	8
Edge	12
Firefox	27
Chrome	30
Safari	7

2.2.2 How will the upgrade be performed

We will gradually change the configuration on our environment. We will start on February 13 and expect to be done by March 10 2020.

During the configuration change, you can expect a short interruption of the connection

3 Need help

If you need assistance, you can contact, as always, our support. For more information see <https://aspex.be/en/support>

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