Apptimized TO GO Agent infrastructure

Infrastructure components

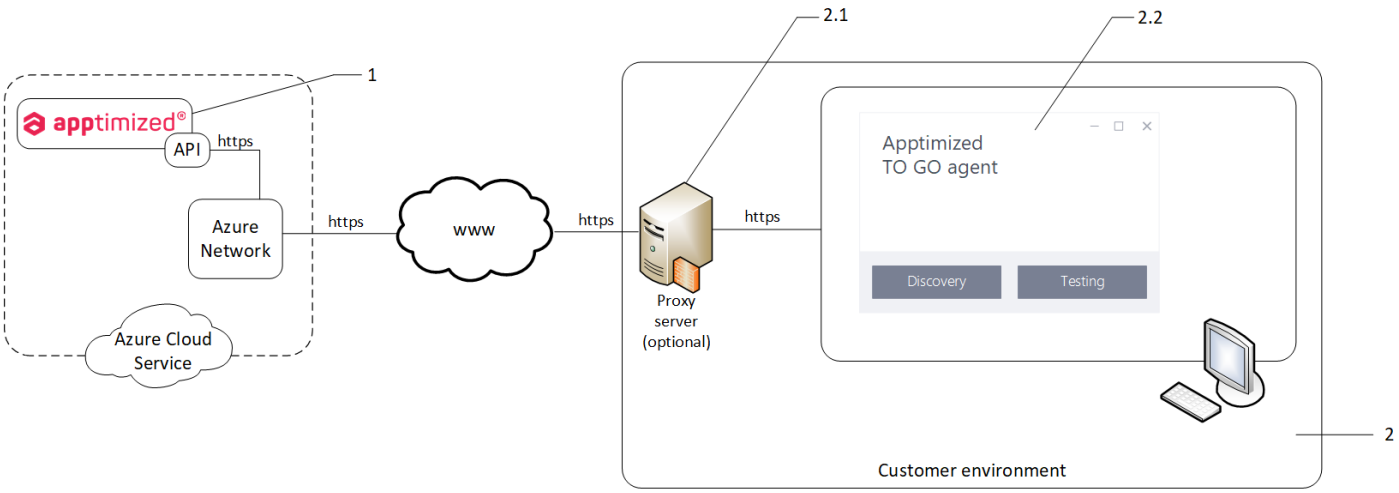
Apptimized TO GO allows a customer to turn a local machine, PC's or VM's into Apptimized VM so that they can be used for discovery and testing.

Apptimized TO GO can be used for discovery and testing on local test PCs or VMs in the customer's own environment.

Apptimized TO GO infrastructure depends on the type of solution a customer chooses (see Cases 1).

Case 1. A customer implements Apptimized TO GO agent only to automate discovery and testing within on-premises PCs and VMs.

The figure below shows the scheme of the Apptimized TO GO agent infrastructure.



The infrastructure components details are described in Table 1.

Table 1. Infrastructure components

Component	Details
1. Apptimized Portal	The platform where Apptimized customer manages projects portfolios. Requires an active project with enabled and configured Apptimized TO GO settings. Technical requirement for working in Apptimized: 1. Browsers: • Google Chrome (version 75.0 or above); • Mozilla Firefox (version 60.0 or above); • Apple Safari (version 12.0 or above); • Internet Explorer with (version 11.0); • Microsoft Edge with version 83 and above. 2. Enabled Java-script in browser; 3. Speed of internet connections – min 50 Mb/s. 4. Enabled firewall white list: https://app.apptimized.com/; https://rdp-gw.apptimized.com/; https://cdn.apptimized.com; https://screenshots.api.apptimized.technology; https://auth.apptimized.com; *.swarm.apptimized.com; *.chatlio.com
2. Customer Environment	Information technology environment, including software, hardware, and systems (e.g., endpoint PCs, VMs, servers, networks). > The access of endpoint PC or VM to the 80 and 443 port of the app.apptimized.com host is a prerequisite. Microsoft Windows Desktop (Windows 7 and above) or Server OS (Windows Server 2012 R2 and above) with installed .NET Framework 4.6.1.
2.1. Proxy server	This component is optional. A proxy server is a third party between the customer and the service (the Apptimized Portal). A proxy server manages the requests sent by the customer and completes them depending on the system's preferences.
2.2. Apptimized TO GO agent	Apptimized TO GO agent is a software that sends information from the VM to Apptimized (i.e., screenshots, user actions, etc.), and does not control VM in any case. Apptimized TO GO agent allows a customer to turn a local machine, PC's or VM's into Apptimized VM so that they can be used for discovery and testing. The Apptimized TO GO agent must be installed and launched on a local PC by the local administrator.

Communication process and methods

The Apptimized Portal communicates to the Customer environment via API.

To integrate the Apptimized Portal, the Apptimized TO GO agent must be installed to the endpoint PC.

To identify the customer, a deployment code (i.e. **3D6-111DC-1**) or TO GO file (i.e. **11321.Apptimized.togo**) from Apptimized is used. Any other identifications from the customer will not be requested.

When data is received from the Apptimized Portal, the Apptimized TO GO agent mounts a network share with source files and prerequisites using Command Prompt commands.

UI automation is used for capturing user interactions while discovery and testing. Screenshots are sent every 500 milliseconds.

UI automation is used to playback the recorded actions in Echo.

The TO GO agent is configured to communicate with the Apptimized Portal using HTTPS protocol. The text box below provides the certificate details:

> Issued by – K Software certificate Authority (DV) 2 https://sectigo.com/legal
> Version – V3
> Signature algorithm – sha256RSA
> Signature hash algorithm – sha256
> Public key – RSA (2048 Bits)
> TLS – 1.2

The information flow content depends on the type of customer activity (see Cases 2-3).

Case 2. A customer discovers/ tests **TimKosse_FileZilla_3.46.3_English(United States)** via **Apptimized TO GO agent**. To run the **Apptimized TO GO agent** a deployment code is used.

Outbound information - a data sent from the Apptimized Portal:

- network share connection parameters

> Share UNC path - **\\\\apptimizedshare.file.core.windows.net\\78d2a2cccf7dfd9e4154fa04f98e1e7f;**
> Share Login - **AZURE\\apptimized;**
> Share Password - **+Tnqfi81aTbPI7nuE9E8j5nXxGGs52jBNcysKA4a6MhK9GFNb0Ti8dlu1ZtpCjNOFy5P8MvPVGGVZkEo6DggjQ==**

- an application metadata;

> Application vendor - **Tim Kosse**;
> Application name - **FileZilla**;
> Application version - **3.46.3**;
> Application language - **English(United States)**

- an action mode metadata;

> Echo enabled - **True;**
> Mode - **Discovery**;
> Self service mode - **No**.

Inbound information - a data sent to the Apptimized Portal:

- a request to receive the manifest;
- records of the customer's actions.

```
"Type": 10,
    "HasKeyboardFocus": true,
    "Text": "hello",
    "InitialText": null,
    "Id": "7167ac61f40342d89cf061f61cab6d49",
    "ProducerId": null,
    "Window": {
      "Title": "*new 2 - Notepad++",
      "Screenshot": in base64 string format
```

Case 3. A customer discovers/ tests **TimKosse_FileZilla_3.46.3_English(United States)** via **Apptimized TO GO agent**. To run the **Apptimized TO GO agent** a TO GO file is used.

Outbound information - a data sent from the Apptimized Portal:

- TO GO file - **Apptimized.togo.**

Inbound information - a data sent to the Apptimized Portal:

- records of the customer's actions.

```
"Type": 10,
    "HasKeyboardFocus": true,
    "Text": "hello",
    "InitialText": null,
    "Id": "7167ac61f40342d89cf061f61cab6d49",
    "ProducerId": null,
    "Window": {
      "Title": "*new 2 - Notepad++",
      "Screenshot": in base64 string format
```

Revision #18
Created 2020-03-17 08:23:13 UTC
Updated 2022-04-07 06:34:45 UTC