1.1 - System Requirements

System requirements, architecture, and preparation guides for setting up Appvance IQ.

- Appvance IQ Architecture
- Appvance IQ Production System Requirements
- Appvance IQ Load Generator Table
- Install Preparation Checklist
- AIQ Required Ports
- Appvance IQ Data Flow Diagram
- AIQ Onsite Trial Requirements
- On-Prem Trial Checklist
- New MacOS Required Configurations for AIQ

Appvance IQ Architecture

AppanceIQArch.png

Architecture Terms

AIQ Controller	Runs on an individual machine The Controller is the primary point of communication and information exchange for Appvance IQ The controller sends the data to the test nodetest - node, and controller talk to each other The controller connects to a REPO. All data is then sent from the controller to the test node then it's deleted off the test node once the test is finished and uploaded to the dashboard
AIQ Test Node(s) (or load generator)	Runs on individual machines The Controller provides tests to each Test Node to run The test node writes execution details and the controller writes scenario summaries
AIQ Database	The relational database is required to store test results Both the Controller and the Test Nodes write to the database Results are generated from data the Controller reads from the database During scenario execution, both the controller and test node read and write data to the database.
Repository	Stores all test components, including scenarios, scripts, and data files The Repository can use local file storage or point to a source control repository
End-User Computer	Accesses Appvance IQ via URL from a browser

Last updated: June 21, 2023

If you have any feedback on this topic, please contact us at documentation@appvance.ai

Appvance IQ Production System Requirements

ProdSystemReq.png

- **Testers** - Browsers accessing Appvance IQ via a browser.
- **Appvance IQ Controller** - The Controller is the primary point of communication and information exchange for Appvance IQ. Runs on an individual machine.
- **Database** - The relational database is required to store test results. Both the Controller and the Test Nodes write to the database. Results are generated from data the Controller reads from the database.
- **Appvance Test Node(s)** - Runs on individual machines. Test Nodes are also known as Load Generators. The Controller provides tests to each Test Node to run.
- **Repository** - Stores all test components, including scenarios, scripts and data files. The Repository can use local file storage or point to a source control repository.
- **Application Under Test (AUT)** - The application being tested by AIQ.

These are the recommended configurations and hardware sizing for AIQ production level systems.

Controller

The AIQ Controller is the primary point of communication and information exchange for Appvance IQ.

Minimum Recommended System Configuration

Linux

- Ubuntu Server 20.24 / 22.04
- 8+ CPU Cores minimum
- 64 GB RAM

- 200 GB SSD
  Note: This is regardless of cloud provider (Azure, Google Cloud, etc).
- Java GraalVM 11 (64-bit)

Cloud Equivalents

Size	AWS	Azure	Google Cloud
Medium Deployment	c5.2xlarge	Standard_D8_v3	n1-standard-8
Large Deployment	c5.4xlarge	Standard_D16_v3 / Standard_D32_v3	n1-standard-16 / n1-standard-32

- SSD io HD (not gp)

  EBS should be set to IO1 with 3000-5000 IOPS

  Installing the Controller on a Windows machine is no longer a supported configuration.

Test Node

Appvance Test Node(s) run on individual machines. Test Nodes are also known as Load Generators. The Controller provides tests for each Test Node to run.

> Sizing of the Test Node is dependent on the number of concurrent tests you want to run. The more concurrent tests, the more CPU and memory required. Refer to the Test Node Capacity Load Generator Table below.

Minimum Recommended System Configuration

Windows

- Windows Server 2022 or newer
- 8+ CPU Cores
- 16 GB RAM (bare minimum - 64GB+ memory recommended for production-level testing)
- 60 GB SSD
- Java GraalVM 11 (64-bit)

Cloud Equivalents

Size	AWS	Azure	Google Cloud
Medium Deployment	c5.2xlarge	Standard_D8_v3	n1-standard-16

Large Deployment	c5.4xlarge	Standard_D16_v3 (AISG 5 or more browsers)	n1-standard-32 (AISG 5 or more browsers)

EBS should be set to IO1 - 5000 IOPS

AI Script Generation (AISG) Considerations

Performance of the AISG process is highly dependent on the resources available to your test node as well as configuration choices that you make. Here are some general guidelines.

This information also applies to Cloud AISG Executions using Kubernete (K8) which will be supported in future releases of AIQ.

What follows are some general highlights. See the Resource Considerations section of the AISG documentation for more information.

RAM	AWS
16 GB	Up to 5 headless browsers
32 GB	Up to 10 headless browsers
64 GB	Up to 20 headless browsers

- RAM and disk space may need to be adjusted depending on depending on the web page complexity and how many hours the AISG execution needs to run. For example, web pages with endless scrolls or tables with check boxes may take a long time to run.
- The AISG execution should not be run for more than 48 hours. If it does, the recommendation is to adjust your setup. For example, use more browsers, or exclude some pages from scan. As an additional way to improve the execution time, it is recommended that you make use of SmartTags. A general guideline is that this should be considered for web pages with 1000 elements on the page. See SmartTag Workbench for more information.
- Repository performance also impacts AISG executions. If you are running AISG, you are required to use only AWS S3 Bucket or Google Storage to save files. GIT storage is not supported for AISG executions due to performance limitations.

Test Node Capacity Load Generator Table

Estimated capacity per server or VM. This can vary greatly with application complexity.

Refer to the table below to determine Test Node capacity and configuration needs:

CPU Cores	Minimum Memory	Minimum UX-Level Browsers	Max likely UX-Level Browsers	HAR Protocol Level VU	JMeter Protocol Level tests

8	16 GB	8	16	250	40
12	24 GB	12	24	500	60
16	32 GB	16	32	1000	80
32	64 GB	32	32	2500	160
64	128 GB	32	64	5000	320
128	256 GB	32	64	10000	640

Using the latest Chrome browser, poor linear scalability is experienced after 30 browsers regardless of the size of the test node.

Example System Requirement Calculation

If a test specification requires UX tests to run 1000 virtual users, and each test node has an 8 Core CPU with 12 GB RAM, then 20 test nodes are required.

Calculated as:

- Test Nodes Required = Total Virtual Users / Virtual Users per Test Node
- (from the above example) 20 Test Nodes = 1000 Virtual Users / 50 Virtual Users per Test Node

Security Port Requirements

Following are the list of ports that need to be open in the server that will host Appvance IQ.

These port configurations apply to both the Controller and the Test Nodes.

Port	Description
3306	Port access between AIQ Controller and MySQL service/server (if applicable)
9095 -9100	From end-user computer outbound to AIQ Controller (required only for recording HTTP traffic from end-user computer)
8080	HTTP port. Outbound access from the Controller and between all Test Nodes (Either 8080 or 8443 is required, not both)
8443	HTTPS port. Outbound access from the Controller and between all Test Nodes (Either 8080 or 8443 is required, not both)

9090	Test Designer port, required for internal use within Controller and Test Nodes (not external)
9091	Test Designer port, required for internal use within Controller and Test Nodes (not external)
8090	Security Testing required only within the controller and test nodes (internal to each system only)
8079	Java processes shutdown port required only within the controller and test nodes (internal to each system only)

> In addition to these ports, the Database must be enabled to allow incoming connections from Controller (recommended on same box for trials) and Test Node machines.

Database

A relational database is required to store test results. Both the Controller and the Test Nodes write to the database. Results are generated from data the Controller reads from the database.

Recommended Configuration

- MySQL Server (needs to be run as RDS or a standalone server)
- MySQL database is required to store test results
- The AIQ Controller and Test Nodes read and write to the database
- The Database must be enabled to allow incoming connections from Controller and TestNode machines
- Minimum 200 GB HD auto-increment
- Should old data no longer be required, data can be dropped and/or backed up and dropped

AWS Examples

- RDS db.t3.medium / Auto-increment 100 GB HD
- RDS t2.xlarge / Auto-increment 200 GB HD

Repository

The Repository Stores all test components, including scenarios, scripts and data files. The Repository can use local file storage or point to a source control repository.

Supported repository types are:

- Amazon S3

- Git (most Git variations are supported: GitHub, GitLab, Azures Git)
- Azure blob
- Google Storage *
- SFTP **
- FTP **

> Certain repository types are not optimal for certain types of tests. For example, Appvance does not recommend using Git to store your images if your are using the Visual Accessor functionality. This is due to Git not being designed to handle large amounts of binary files efficiently.
>
> * Support for Google Storage with AIQ 5.3.0
> ** Starting with AIQ 5.3.0, SFTP and FTP will no longer be supported repository types.

Browsers

Browsers accessing Appvance IQ via a browser. AIQ supports the latest versions of the following browsers:

- Apple Safari
- Google Chrome
- Microsoft Edge
- Mozilla Firefox

> AIQ no longer supports the use of Internet Explorer. Contact support@appvance.ai for questions regarding alternate browser versions.

End User Systems

Minimum Recommended System Configuration

- 6+ CPU Cores (at least Intel® Xeon E5 Class processor) **
- 8+ GB Memory**
- Java GraalVM 11 (included with Appvance IQ end-user setup)
- End user must have administrator permission to install AIQ's Test Designer (proxy) as well as the ability to modify system environment variables during the setup process.

Network Configuration

The end user systems will access AIQ only from a browser. The following ports must not be in use, and must permit internet access

Port	Description	Requirement
8080 | 8443	HTTP navigation to server	Must permit internet access (not blocked by firewall for outbound traffic)
9090 | 9091	Test Designer client (internally open only)	Must not be in use.

Designer Proxy

End user machines must have permissions to install a proxy in the browser. You must have the Designer Proxy installed before you can begin using AIQ. You will be prompted by AIQ to install the proxy.

Test Designer folder (AIQ 4.10.x and earlier)

- Windows default path: `C:\TestDesigner`
- Mac default path: `$HOME/TestDesigner`

Test Designer folder (AIQ 5.0.0+)

- Windows default path: `C:\WebDesigner`
- Mac default path: `$HOME/WebDesigner`

Anti-Virus Recommendations

The Appvance IQ installation package is sizable and the vast majority of the contents will never change between installations or upgrades. Because of this, you can exclude the AIQinstallation folder the from the scheduled daily / weekly / monthly scans. Doing so will reduce the time and resources devoted to these scans. Also if these folders are not excluded, you may see some unexpected behavior in AIQ.

For example, this may impact scenario executions, specially on DS and DS3 engines that write many temporary files for requests and responses.

Following are some of the top Anti-virus programs from which the files and folders of Appvance IQ should be excluded:

- AVG Anti-virus
- Avast Anti-virus
- Kaspersky Anti-virus
- McAfee Virus Scan
- Norton Anti-virus
- Symantec Endpoint protection
- Windows Defender

Questions or need support?

Contact us at support@appvance.ai or by submitting a support request at https://appvance.ai/support,

See Contacts and Resources for additional options to contact Appance Support.

Last updated: October 12, 2026

If you have any feedback on this topic, please contact us at documentation@appvance.ai

Appvance IQ Load Generator Table

Estimated capacity per server or VM (varies greatly with application complexity)

Assumes E7 or newer Intel cores or EPYC AMD cores @3Ghz+.

Refer to the table below to determine Test Node capacity and configuration needs:

CPU Cores	Minimum Memory	Minimum UX-Level Browsers	Max likely UX-Level Browsers	HAR Protocol Level VU	JMeter Protocol Level tests
4	8 GB	4	8	100	20
6	12 GB	6	12	150	30
8	16 GB	8	16	250	40
12	24 GB	12	24	500	60
16	32 GB	16	32	1000	80
32	64 GB	32	32	2500	160
64	128 GB	32	64	5000	320
128	256 GB	32	64	10000	640

> Using the latest Chrome browser, poor linear scalability is experienced after 30 browsers regardless of the size of the test node.

Example System Requirement Calculation

If a test specification requires UX tests to run 1000 virtual users, and each test node has an 8 Core CPU with 12 GB RAM, then 20 test nodes are required.

Calculated as:

- Test Nodes Required = Total Virtual Users / Virtual Users per Test Node
- (from the above example) 20 Test Nodes = 1000 Virtual Users / 50 Virtual Users per Test Node

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Last updated: July 17, 2024

If you have any feedback on this topic, please contact us at documentation@appvance.ai

Install Preparation Checklist

Please ensure all preparation checklist items are completed and verified prior to install

Your Appvance contact is always available and more than willing to help with any questions or issues!

We recommend confirming the check list at least one business day prior to your scheduled install date, or more depending on your corporate timeframes for resolving permission issues.

Summary Install Preparation Checklist

On-Prem Install Checklist.docx

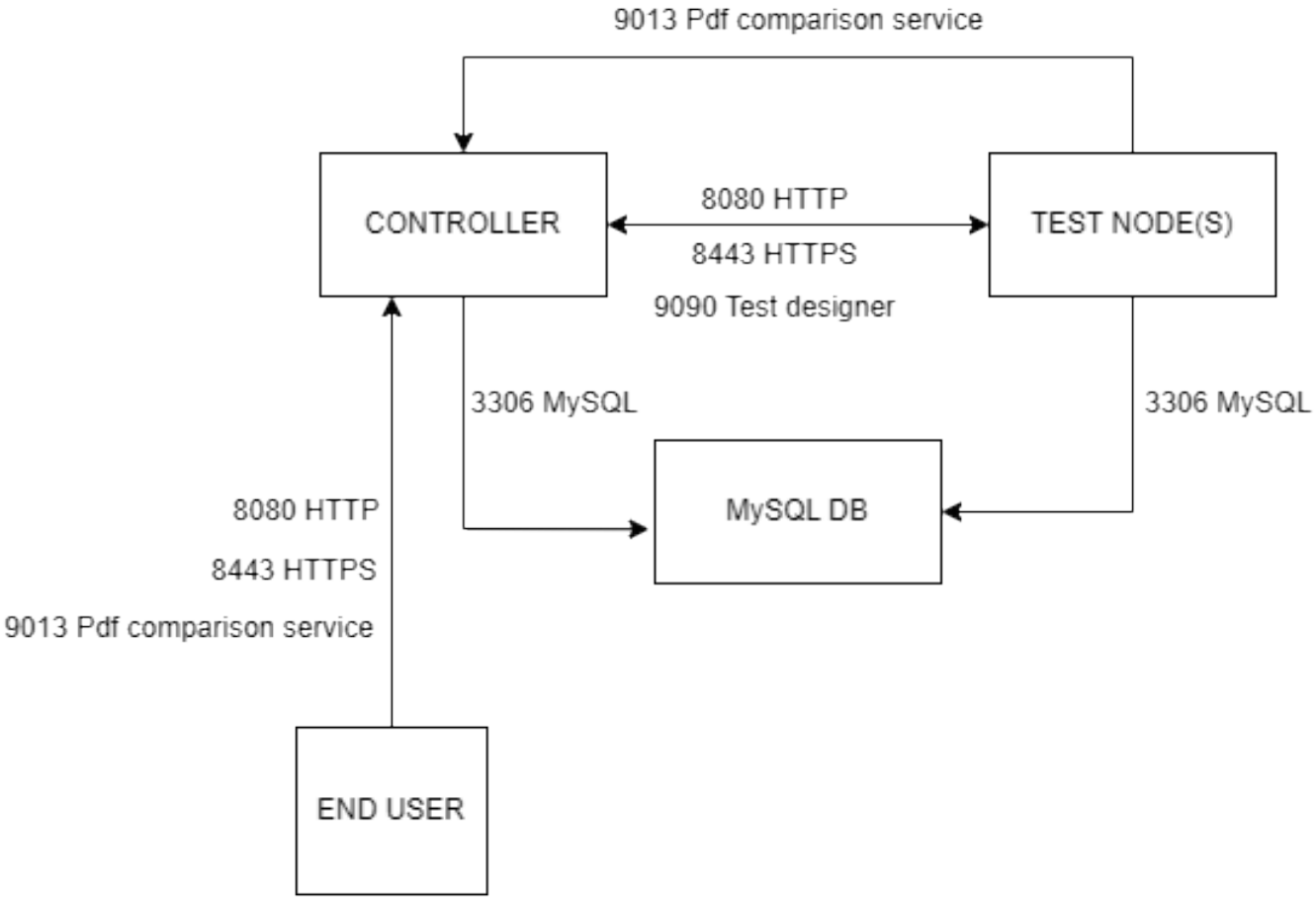
1. Allocate an Appvance IQ Controller per the Appvance IQ System Requirements
2. Confirm the AIQ Required Ports are open with permission for use
3. Confirm your system permissions at minimum have:
    1. Administrator rights, or permission to select Run as Administrator for installs and system settings.
    2. Rights to edit System Environment Variables
    3. Rights to edit and manage system proxy settings
    4. Rights to download and execute JNLP files
4. Download and install Java 64-bit JDK GraalVM 11
5. Download the provided Appvance IQ build. If not already provided, please request from your Appvance contact.
6. Unless an alternate database was discussed, download (but do not install) the MySQL (MySQL-installer-community) from http://dev.mysql.com/downloads/installer/

7. If using Mac then follow the following MacOS configuration preparations: MacOS Required Configurations for AIQ

Last updated: February 06, 2025

If you have any feedback on this topic, please contact us at documentation@appvance.ai

AIQ Required Ports



AIQ is **not** compatible with other Java OpenJDKs. Graalvm OpenJDK 11 21.3.x is required.

All **outbound** traffic should be allowed.

AIQ End-User System

The end-user systems will access AIQ only from a browser. The following ports must not be in use, and must permit internet access (inbound traffic):

AIQ End-User Port Requirements

- TCP 8443/8080 outbound to connect to AIQ server (controller) for HTTPS/HTTP access. Must permit internet access (not blocked by firewall for outbound traffic).

- TCP 9013 outbound to connect to AIQ server (controller) for PDF comparison service. PDF comparison service to the server (controller).
- TCP 9090/9091 Test Designer client (internally open only). It must not be in use.
- TCP 443 outbound to download required GraalVM
- TCP 443 to www.graalvm.org & github.com if local GraalVM does not have JS installed
- TCP ports outbound needed to access the applications under test (AUT).
- TCP to Appium Server if using Mobile Blueprint or IDE with local device emulator or simulator (not required if using cloud provider such as SauceLabs)

AIQ Server (Controller / Test Nodes)

Following are the ports that need to be opened in the server that will host Appvance IQ.

AIQ Server (Controller) Requirements

- TCP 8080 HTTP port. Bidirectional access between the Controller, end user, and all Test Nodes (Either 8080 or 8443 is required, not both)
- TCP 8443 HTTPS port. Bidirectional access between the Controller, end user, and all Test Nodes (Either 8080 or 8443 is required, not both)
- TCP 9013 inbound access from the user laptop and from all Test Nodes. Required for PDF comparison service.
- TCP 3306 Port access between AIQ Controller and MySQL service/server (if applicable)
- TCP port (typically 443) outbound to clone/push repository files from GIT provider (Gitlab, Github, TFS, etc)
- TCP 443 to www.graalvm.org & github.com if local GraalVM does not have JS installed
- TCP 443 outbound to https://www.ipecho.net/plain to get local external IP (Optional)
- TCP 8079 Java processes shutdown port required only within the controller and test nodes (internal to each system only)
- TCP 8090 Security Testing is required only within the controller and test nodes (internal to each system only)
- TCP 9090 Test Designer port, required for internal use within Controller and Test Nodes (not external)
- TCP 9091 Test Designer port, required for internal use within Controller and Test Nodes (not external)
- TCP 9091 or 9090 to the TestNode where the Web Blueprint is run (and local Plugin is not used for Blueprint)
- TCP 9095-9100 From end-user computer outbound to AIQ Controller (required only for recording HTTP traffic from the end-user computer)

- TCP for time server (if the license requires external server time @oscar mora can confirm which servers)
- TCP to Appium Server if using Mobile Blueprint or IDE with local device emulator or simulator (not required if using cloud provider such as SauceLabs)

AIQ Test Nodes (Load Generators) Requirements

- TCP 3306 outbound for MySQL server (if applicable)
- TCP 8443 inbound and outbound to the AIQ server (controller)
- TCP 9013 outbound to the AIQ server (controller) for PDF comparison service
- TCP 8443 inbound and outbound to the other TestNodes to coordinate Database saving
- TCP 443 outbound to https://www.ipecho.net/plain to get local external IP (Optional)
- TCP ports outbound needed to access the applications under test (AUT).
- TCP 443 to www.graalvm.org & github.com if local GraalVM does not have JS installed
- TCP to Appium Server if the mobile test uses external Appium

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Last updated: April 24, 2024

If you have any feedback on this topic, please contact us at documentation@appvance.ai

Appvance IQ Data Flow Diagram

DataFlowDiagram.png

How to use this diagram

The data-flow diagram provides a system-level view of how AIQ components exchange test definitions, execution data, and results. Use it with the system-requirements and port-reference documentation when planning network access or troubleshooting connectivity.

Retain the diagram as the authoritative visual for this article; confirm environment-specific endpoints and ports against the current AIQ deployment before implementation.

Last updated: October 15, 2026

If you have any feedback on this topic, please contact us at documentation@appvance.ai

AIQ Onsite Trial Requirements

The AIQ trial is a self contained instance that runs on Windows and has the database installed locally. It is designed for proof of value testing of AIQ.

Trial parameters:

- Up to four users accessing the Controller from their own browser.
- One hundred parallel API-level tests.
- Five to ten parallel UX (GUI) level tests.

> Values based on maximum trial configuration recommendation. UX-level test capacity is also impacted by web site's browser memory footprint and CPU load.

Controller

The AIQ Controller is the primary point of communication and information exchange for Appvance IQ.

Windows

- #5FBC5E or newer
- 6+ CPU Cores
- 16+ GB Memory
- 100 GB SSD
- Java GraalVM 11 (64-bit)

> Installing the Controller on a Windows machine is only supported for AIQ trials. For production level systems, the Controller must be install on Linux.

Test Nodes

Appvance Test Node(s) run on individual machines. Test Nodes are also known as Load Generators. The Controller provides tests for each Test Node to run.

> Sizing of the Test Node is dependent on the number of concurrent tests you want to run. The more concurrent tests, the more CPU and memory required. Refer to the Test Node Capacity Load Generator Table below.

- Windows Server 2022 or newer
- 6+ CPU Cores
- 16+ GB Memory
- 100 GB SSD
- Java GraalVM 11 (64-bit)

Test Node Capacity Load Generator Table

Estimated capacity per server or VM (varies greatly with application complexity)

Assumes E7 or newer Intel cores or EPYC AMD cores @3Ghz+.

Refer to the table below to determine Test Node capacity and configuration needs:

CPU Cores	Minimum Memory	Minimum UX-Level Browsers	Max likely UX-Level Browsers	HAR Protocol Level VU	JMeter Protocol Level tests
4	8 GB	4	8	100	20
6	12 GB	6	12	150	30
8	16 GB	8	16	250	40
12	24 GB	12	24	500	60
16	32 GB	16	32	1000	80
32	64 GB	32	32	2500	160
64	128 GB	32	64	5000	320
128	256 GB	32	64	10000	640

> Using the latest Chrome browser, poor linear scalability is experienced after 30 browsers regardless of the size of the test node.

Example System Requirement Calculation

If a test specification requires UX tests to run 1000 virtual users, and each test node has an 8 Core CPU with 12 GB RAM, then 20 test nodes are required.

Calculated as:

- Test Nodes Required = Total Virtual Users / Virtual Users per Test Node

- (from the above example) 20 Test Nodes = 1000 Virtual Users / 50 Virtual Users per Test Node

Repository

The Repository can use the local file storage on the Controller or any other supported repository type such as Git or SVN.

Browsers

Browsers accessing Appvance IQ via a browser. AIQ supports the latest versions of the following browsers:

- Apple Safari
- Google Chrome
- Microsoft Edge
- Mozilla Firefox

> AIQ no longer supports the use of Internet Explorer. Contact support@appvance.ai for questions regarding alternate browser versions.

End-User System

- 6+ CPU Cores (at least Intel® Xeon E5 Class processor)
- 8+ GB Memory
- Java GraalVM 11 (included with Appvance IQ end-user setup)

Network Configuration

The end user systems will access AIQ only from a browser. The following ports must not be in use, and must permit internet access.

Port	Description	Requirement
8080 | 8443	HTTP navigation to server	Must permit internet access (not blocked by firewall for outbound traffic)
9090 | 9091	Test Designer client (internally open only)	Must not be in use.

Designer Proxy

End user machines must have permissions to install a proxy in the browser. You must have the Designer Proxy installed before you can begin using AIQ. You will be prompted by AIQ to install the proxy.

- ## Test Designer folder (AIQ 4.10.x and earlier)

- Windows default path: `C:\TestDesigner`
- Mac default path: `$HOME/TestDesigner`

- ## Test Designer folder (AIQ 5.0.0+)

- Windows default path: `C:\WebDesigner`
- Mac default path: `$HOME/WebDesigner`

Security Port Requirements

Following are the list of ports that need to be open in the server that will host Appvance IQ.

These port configurations apply to both the Controller and the Test Nodes.

Port	Description
3306	Port access between AIQ Controller and MySQL service/server (if applicable)
9095 -9100	From end-user computer outbound to AIQ Controller (required only for recording HTTP traffic from end-user computer)
8080	HTTP port. Outbound access from the Controller and between all Test Nodes (Either 8080 or 8443 is required, not both)
8443	HTTPS port. Outbound access from the Controller and between all Test Nodes (Either 8080 or 8443 is required, not both)
9090	Test Designer port, required for internal use within Controller and Test Nodes (not external)
9091	Test Designer port, required for internal use within Controller and Test Nodes (not external)
8090	Security Testing required only within the controller and test nodes (internal to each system only)

8079	Java processes shutdown port required only within the controller and test nodes (internal to each system only)

In addition to these ports, the Database must be enabled to allow incoming connections from Controller (recommended on same box for trials) and Test Node machines.

You may also use our compatibility check utility to determine the readiness of your machines.

Anti-Virus Recommendations

The Appvance IQ installation package is sizable and the vast majority of the contents will never change between installations or upgrades. Because of this, you can exclude the AIQinstallation folder the from the scheduled daily / weekly / monthly scans. Doing so will reduce the time and resources devoted to these scans. Also if these folders are not excluded, you may see some unexpected behavior in AIQ.

For example, this may impact scenario executions, specially on DS and DS3 engines that write many temporary files for requests and responses.

Following are some of the top Anti-virus programs from which the files and folders of Appvance IQ should be excluded:

- AVG Anti-virus
- Avast Anti-virus
- Kaspersky Anti-virus
- McAfee Virus Scan
- Norton Anti-virus
- Symantec Endpoint protection
- Windows Defender

Last updated: October 12, 2026

If you have any feedback on this topic, please contact us at documentation@appvance.ai

On-Prem Trial Checklist

Use the following checklist to prepare all applicable systems for an on-premises trial

Review the Appvance IQ Onsite Trial System Requirements

Step 2 | Install Checklist

On-Prem Install Checklist.docx

New MacOS Required Configurations for AIQ

The following steps are necessary to improve AIQ compatibility with macOS systems.

Java 8 Related Configuration

This configuration addresses a known issue that causes slowing in Java 8 applications with macOS Sierra or newer.

> See StackOverflow for more information.
>
> This configuration is required for macOS Sierra (10.12), High Sierra (10.13) Mojave (10.14), and earlier versions of Catalina (10.15.1 through 10.15.4).

1. Type "**hostname**" in a terminal window to get your system's canonical name. This **<system canonical name>** should look similar to `Joe-MacBook-Pro.local`.
2. Enter the hostname obtained in the first step into your `/etc/hosts` text file.
   1. Open the nano text editor to edit the `/etc/hosts` file by typing in a terminal: **`sudo nano /etc/hosts`**
   2. Assuming your hostname is "`Joe-MacBook-Pro.local`", then you should add two lines similar to this ones to the `/etc/hosts` file.
      `127.0.0.1 Joe-MacBook-Pro.local`
      `::1 Joe-MacBook-Pro.local`
   3. Press Ctrl+O to write changes to the hosts file, and Ctrl-X to exit the nano text editor. Make sure to replace `Joe-MacBook-Pro.local` with your actual hostname returned by the command in the first step. Save your file, and retry executing your script in test designer.
      This change is NOT needed for recent Catalina OS releases (10.15.5+).

System Preferences

This configuration is necessary to be able to record and playback using Test Designer IDE using a Safari browser.

- In the Security & Privacy preference, select the Privacy section, for Accessibility and Full Disk Access: add the **Java** app to the list of apps that are allowed to control your computer. (Mojave requires the Accessibility permissions to control your computer to the **Terminal** App instead of the Java App)
  Security&PrivacyAccessibility.png
  Security&PrivacyFullDiskAccess.png
- If you want to record/playback Test Designer script with Safari, make sure you select Safari as your default system browser in the Preferences General tab
  Screen%20Shot%202021-02-11%20at%2011.59.21.png
- In the Network preferences, Proxies settings: set the Bypass proxy settings to your AIQ server DNS
  PreferencesNetworkProxy.png

Safari Preferences

This configuration is necessary to be able to record and playback using Test Designer IDE using a Safari browser.

Safari opens with: A new private window. New window open with Empty PageNew tabs open with Empty Page

SafariGeneral.png

Select "When a new tab or window opens, make it active" in Tabs section

SafariTabs.png

Other optional settings in Safari Advanced tab:

Screen%20Shot%202017-03-08%20at%209.22.48%20PM.png

Apvance Certificate

Check if the Appvance Certificate is present (only needed if after the above steps you have Test Designer IDE recording problems)

The client installer for Test Designer scripts should automatically install Appvance 2020 SSL certificate in MacOS and in Mozilla Firefox (if present). But if you have problems recording on HTTPS sites, do validate if the certificate "**Appvance 2020**" is installed in the MacOS and/or Firefox.

Verifying the Appvance certificate is installed in MacOS

To check the MacOS certificates open the **Keychain Access** application and click over the tab. You should be able to find the "Appvance 2020" certificate with a blue dot (meaning it is trusted) as in this image:

Screen%20Shot%202019-11-28%20at%203.12.28%20PM.png

Catalina updates (May 2019) requires that the Appvance2020 certificate needs to be installed both in System and login keychains.

Installing the Appvance certificate in MacOS

If the certificate is not installed in Mozilla Firefox, you can download it from this link:https://aiq-client-installer.s3-us-west-2.amazonaws.com/appvance2020.cerThen click the "Import" button in the Firefox Certificate Manager and select the downloaded "appvance2020.cer" file.

Double-click the **appvance2020.cer** file and it will be added to the Keychain Access application. Locate the Appvance 2020 in the System Keychain and doble click over it to see its details. Expand the Trust option and select Always Trust in the first select box.
Screen%20Shot%202019-11-28%20at%203.28.38%20PM.pngThe OS will ask for your password to trust this certificate and the screen should look like this
Screen%20Shot%202019-11-28%20at%203.30.49%20PM.png

Verifying the Appvance certificate is installed in Firefox

To check if the certificate is installed on **Mozilla Firefox**, open Firefox and open the Preferences, then type "Certificates" in the search input box. Click the View Certificates button to open the Certificates Manager:

Screen%20Shot%202019-11-28%20at%203.16.08%20PM.png

In the Certificate Manager, click the "Authorities" tab and scroll down until you find the Appvance 2020 certificate

Screen%20Shot%202019-11-28%20at%203.16.26%20PM.png

Installing the Appvance certificate in Firefox

If the certificate is not installed in Mozilla Firefox, you can download it from this link:https://aiq-client-installer.s3-us-west-2.amazonaws.com/appvance2020.cer

Then click the "Import" button in the Firefox Certificate Manager and select the downloaded "appvance2020.cer" file. Then click both trust checkboxes as in this image, and click Ok.

Screen%20Shot%202019-11-28%20at%203.32.46%20PM.png