



AASHTOWare Safety Analyst

Version 5.1.1

Application Infrastructure Component List

**Submitted by
Peraton**

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Application Infrastructure Component List

AASHTOWare Safety Analyst

Version 5.1.1

This list includes all application infrastructure components that support the development, maintenance, and operation of the AASHTOWare Safety Analyst product, Version 5.1.1, released on January 2, 2019.

1. External Components

External components consist of those components that end-user client organizations procure and maintain (e.g., databases, workstation operating systems, and web browsers) and that are required for the deployment and use of the AASHTOWare Safety Analyst product.

Operating Systems

The AASHTOWare Safety Analyst product software is written in Java, which provides a high degree of operating system independence. Thus, it is likely that Safety Analyst will operate on a large number of different operating systems. Harris has tested the product on both Linux and Microsoft operating systems; however, the product officially supports only the Microsoft operating systems.

Component Name: Operating System

Component Category: External

Component Version: Windows 7 32-bit and 64-bit Editions

Owner/Vendor Name of Component: Microsoft Windows 7

License Information: End-User Maintained

Next Available Version: Windows 8, 10

Date When Support is Discontinued: Mainstream support *ended* on January 12, 2016 and extended support ends January 14, 2020.

Component Name: Operating System

Component Category: External

Component Version: Windows 8.1, 32-bit and 64-bit Editions

Owner/Vendor Name of Component: Microsoft Windows 8.1

License Information: End-User Maintained

Next Available Version: Windows 10

Date When Support is Discontinued: Mainstream support ends on January 9, 2018 and extended support ends on January 10, 2023.

Component Name: Operating System

Component Category: External

Component Version: Windows 10, 32-bit and 64-bit Editions

Owner/Vendor Name of Component: Microsoft Windows 10

License Information: End-User Maintained

Next Available Version: Windows 10

Date When Support is Discontinued: Mainstream support ends on October 13, 2020 and Extended support ends on October 14, 2025.

Databases

The AASHTOWare Safety Analyst product officially supports the following databases:

- Oracle
- Microsoft SQL Server
- Apache Derby

Safety Analyst supports these databases through the Java Database Connectivity (JDBC) standard.

Component Name: Database

Component Category: External

Component Version: Oracle Database 12c Release 2 (12.2)

Owner/Vendor Name of Component: Oracle

License Information: End-User Maintained

Next Available Version: 18.1.0 (2018)

Component Name: Database

Component Category: External

Component Version: Microsoft SQL Server 2014

Owner/Vendor Name of Component: Microsoft SQL Server 2014 (12.0)

License Information: End-User Maintained

Next Available Version: Microsoft SQL Server 2017 (14.0)

Component Name: Database

Component Category: External

Component Version: Apache Derby 10.13.1.1

Owner/Vendor Name of Component: Apache Derby

License Information: Apache License, Version 2.0 (Open Source)

Next Available Version: Apache Derby 10.14.2.0 (May 3, 2018)

Web Browsers

Component Name: Web Browser

Component Category: External

Component Version: Internet Explorer 11

Owner/Vendor Name of Component: Microsoft Internet Explorer 11

License Information: End-User Maintained

Next Available Version: N/A

Component Name: Web Browser

Component Category: External

Component Version: Firefox 64.0

Owner/Vendor Name of Component: Mozilla Firefox 64.0

License Information: End-User Maintained

Next Available Version: Mozilla Firefox 65.0

Component Name: Web Browser

Component Category: External

Component Version: Google Chrome 72.0

Owner/Vendor Name of Component: Google Chrome 72.0

License Information: End-User Maintained

Next Available Version: N/A

2. Internal Components

Internal components consist of those components that are critical for the operation of the product. These components are part of the product (i.e., installed with the product) and end-user client organizations do not need to procure or maintain these components.

Component Name: Java Runtime Environment (JRE)

Component Category: Internal

Component Version: JRE 1.8.0, Update 181

Owner/Vendor Name of Component: Oracle / JRE

License Information: Oracle Binary Code License Agreement for the Java SE Platform Products

Next Available Version: JRE 1.8.0, Update 192 (Java SE JRE 1.8.0 will continue through January 2019, Java SE 11.0.2 is the latest version)

Component Name: HttpClient (HTTP communication support)
Component Category: Internal
Component Version: 4.5.2 (HttpClient), 4.4.4 (HttpCore)
Owner/Vendor Name of Component: The Apache Software Foundation / HttpClient
License Information: Apache License, Version 2.0
Next Available Version: HttpClient 5.0 (in alpha), HttpCore 4.4.5 (2016)

Component Name: common, commonapp (application utilities)
Component Category: Internal
Component Version: N/A
Owner/Vendor Name of Component: Harris / common, commonapp
License Information: Public Domain – no license required
Next Available Version: N/A

Component Name: Derby JDBC Driver (database support)
Component Category: Internal
Component Version: 10.13.1.1
Owner/Vendor Name of Component: The Apache Software Foundation / Derby
License Information: Apache License, Version 2.0
Next Available Version: 10.14.2.0 (May 3, 2018)

Component Name: iText (documentation PDF an RTF support)
Component Category: Internal
Component Version: 2.1.7
Owner/Vendor Name of Component: ITEXT
License Information: GNU Affero General Public License, Version 3
Next Available Version: N/A

Component Name: JavaHelp (on-line help support)
Component Category: Internal
Component Version: 2.0.05
Owner/Vendor Name of Component: java.net / JavaHelp
License Information: GNU General Public License, Version 3
Next Available Version: N/A

Component Name: JFreeChart (charting/graphing support)
Component Category: Internal
Component Version: 1.0.19
Owner/Vendor Name of Component: SourceForge / JFreeChart
License Information: GNU Lesser General Public License, Version 3
Next Available Version: 1.5.0 (November 5, 2017)

Component Name: JMapView (map/aerial view support)
Component Category: Internal
Component Version: 1.0.7
Owner/Vendor Name of Component: OpenStreetMap / JMapView
License Information: GNU General Public License, Version 3
Next Available Version: 2.9, 2018

Component Name: GeoTools (GIS support)
Component Category: Internal
Component Version: 13.1
Owner/Vendor Name of Component: Open Source Geospatial Foundation / GeoTools
License Information: GNU Lesser General Public License, Version 2.1
Next Available Version: 20.1, November 2018

Component Name: JRegistryKey (Windows registry support)
Component Category: Internal
Component Version: 1.4.0
Owner/Vendor Name of Component: SourceForge / JRegistryKey
License Information: GNU Lesser General Public License, Version 2.1
Next Available Version: N/A

Component Name: jTDS - SQL Server and Sybase JDBC Driver (non-critical database support)
Component Category: Internal
Component Version: 1.3.1
Owner/Vendor Name of Component: SourceForge / jTDS
License Information: GNU Lesser General Public License, Version 3
Next Available Version: N/A

Component Name: lp_solve Library (linear programming support)

Component Category: Internal

Component Version: 5.5.2.0

Owner/Vendor Name of Component: SourceForge / lp_solve

License Information: GNU Lesser General Public License, Version 3

Next Available Version: 5.5.2.5, September 2016

Component Name: Nullsoft Scriptable Install System (NSIS) (installer support)

Component Category: Internal

Component Version: 3.0.1

Owner/Vendor Name of Component: Nullsoft / NSIS

License Information: zlib/libpng license

Next Available Version: 3.0.4, December 2018

Component Name: Oracle JDBC Driver (database support)

Component Category: Internal

Component Version: 11.2.0.1.0

Owner/Vendor Name of Component: Oracle / Oracle JDBC Driver

License Information: Oracle Technology Network Development and Distribution License

Next Available Version: 12.2.0.1, 2018

3. Support Components

Support components consist of those products needed to develop, test, and support the application (e.g., programming languages, integrated development environments, testing tools, and other items not needed in the application users' organizations).

Component Name: Java Standard Edition (SE), Java Development Kit (JDK)

Component Category: Internal

Component Version: Java SE, JDK 1.8.0, Update 181

Owner/Vendor Name of Component: Oracle / Java SE JDK

License Information: Oracle Binary Code License Agreement for the Java SE Platform Products

Next Available Version: Java SE, JDK 1.8.0, Update 192 (Updates to Java SE JDK 1.8.0 will continue through January 2019, Java SE, JDK 11.0.2 is the latest version but will require significant changes to the code structure)

Component Name: Ant (development support)

Component Category: Internal

Component Version: 1.10.5

Owner/Vendor Name of Component: The Apache Software Foundation / Ant

License Information: Apache License, Version 2.0

Next Available Version: N/A

Component Name: Eclipse IDE for Java Developers (non-critical development support)

Component Category: Internal

Component Version: Oxygen Release (4.7.3a)

Owner/Vendor Name of Component: The Eclipse Foundation / Eclipse IDE

License Information: Eclipse Public License - v 1.0

Next Available Version: 2018-12 Release (4.10)