

Four Js Genero 5.00.xx Supported Operating Systems list Rev.2024-03-28

(\*) Will be desupported by any FourJs version

Operating System Version	Genero BDL With Web Services(2)	Genero Application Server	Genero Desktop Client	Genero Studio Client + Server	Genero Studio Server	Genero Report Engine
<b>Apple</b>						
<b>X86_64 64bit - OS code : M64X1200 (New)</b>						
macOS 12.x Monterey	✓	✓	✓	✓	✓	✓
macOS 13.x Ventura	✓	✓	✓	✓	✓	✓
macOS 14.x Sonoma (New)	✓	✓	✓	✓	✓	✓
<b>Apple Silicon 64bit - OS code : M64X1200 (*)</b>						
macOS 12.x Monterey	✓	✓	✓	✓	✓	✓
macOS 13.x Ventura	✓	✓	✓	✓	✓	✓
macOS 14.x Sonoma (New)	✓	✓	✓	✓	✓	✓
<b>IBM</b>						
<b>PowerPC 64bit - OS code : A640710</b>						
AIX 7.2 -7.3 (New)	✓	✓	N/A	N/A	✓	✓
<b>Linux Distributions</b>						
<b>X86_64 64bit - glibc 2.17 and higher - OS code : L64XL217 (**)</b>						
SUSE Linux Enterprise Server 15	✓	N/A	N/A	N/A	N/A	N/A
<b>X86_64 64bit - glibc 2.28 and higher - OS code : L64XL228 (New)</b>						
Red Hat Enterprise 8.x - 9.x	✓	✓	✓	✓	✓	✓
Oracle Linux 8	✓	✓	N/A	N/A	✓	✓
Ubuntu 22.04	✓	✓	✓	✓	✓	✓
SUSE Linux Enterprise Server 15	N/A	✓	✓	✓	✓	✓
Rocky Linux 8 / 9	✓	✓	✓	✓	N/A	✓
<b>ARM64-AArch64 64bit - glibc 2.34 and higher - OS code : L64AL234 (New)</b>						
Red Hat 9.2	✓	✓	N/A	N/A	N/A	✓
Rocky 9.x	✓	✓	N/A	N/A	N/A	N/A
Ubuntu 22.04	✓	✓	N/A	N/A	N/A	N/A
<b>Note(s) about Linux Distributions</b>	Please be aware that support for Linux distributions is limited to those listed above. While Genero 5.0x is known to work on most major distributions, issues specific to a particular distribution will not be prioritized before issues tied to the listed distributions per processor types. For graphical Genero tools like GDC and GST, Four Js supports the following Linux Window(s) Managers : Gnome 3.2 and higher. Some other Window(s) Managers are known to work, but issues specific to those will not be fixed.					
<b>Microsoft Windows</b>						
<b>X86_64 64bit - OS code : W64V142</b>						
Windows 10 - 11	✓	✓	✓	✓	✓	✓
Windows Server 2016 - 2019 -2022	✓	✓	(*)	✓	✓	✓
<b>Oracle Sun</b>						
<b>SPARC 64bit - OS code : S64S100</b>						
Solaris 11	✓	✓	N/A	N/A	✓	✓
<b>X86_64 64bit - OS code : S64X100</b>						
Solaris 11	✓	✓	N/A	N/A	✓	✓

(\*) This architecture requires the Rosetta tool see <https://support.apple.com/fr-fr/HT211861>  
And for Java extensions, GMA and GRW install a JVM x86 (not Apple Silicon M1/M2/M3).

**Note:** During the installation process, you will be warned that the processor is not correct, just force the installation process to continue.

(\*\*) The installation of the Genero BDL package on Suse Enterprise requires the Ncurses 5 libraries only embedded in the I64xI217 package.  
If you want to use Genero Studio, you should install the I64xI228 package of Gnero Studio and set your FGL configuration to the I64xI217 installation of Genero BDL.  
Please refer to the manual for more information [https://4js.com/online\\_documentation/fjs-fgl-manual-html/#fjgi-topics/c\\_fgl\\_installation\\_016.html](https://4js.com/online_documentation/fjs-fgl-manual-html/#fjgi-topics/c_fgl_installation_016.html).

**[2] Four Js Genero BDL with Web Services bundle includes the following components:**

- Business Development Language (FGL)
- Web service extension (GWS)
- Testing tool (GGC)
- Application Server for Java (UGAS)
- Web Components and wrappers (WCG)
- Genero Browser Client (GBC)
- Genero Identity Provider (GIP)

**Legend**

OS Code	Code of the OS in the package name ie: fjs-gas-5.00.xx-buildxxxx.xx-<code>-run
✓	Supported Operating System
(*)	Known to work on Microsoft Terminal Server and Citrix environment
N/A	Package Not Available

Four Js Genero 5.00.xx Supported Database list Rev.2024-03-28

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PostgreSQL C API client 12  
MariaDB C API client 10.4

2024-11-14  
2024-06-18

<https://endofflife.software/applications/databases/postgresql>  
<https://mariadb.org/about/#maintenance-policy>

Database Server	Database Client	Driver name	Operating System Code						
			a640710	i64x1228	i64al234	m64x1200	s64s100	s64x100	w64v142
<b>Informix</b>									
IDS	CSDK ESQ/C 4.10 - 4.50	dbmifx_9	✓	✓	✓	✓	✓	✓	✓
<b>Oracle Database</b>									
18c	OCI client 18.x	dbmora_18	✓	✓	✓	✓	✓	✓	✓
19c	OCI client 19.x	dbmora_18	✓	✓	✓	✓	✓	✓	✓
21c	OCI client 21.x	dbmora_18	✓	✓	✓	✓	✓	✓	✓
23c	OCI client 23.x (New)	dbmora_23		✓					
<b>Dameng Database</b>									
8.x	Dameng Client 8.x (*) (New)	dbmdmg8		✓					
<b>PostgreSQL</b>									
12	PostgreSQL C API client 12 (*) (Desupported November 2024)	dbmpgs_9	✓	✓	✓	✓	✓	✓	✓
13	PostgreSQL C API client 13	dbmpgs_9	✓	✓	✓	✓	✓	✓	✓
14	PostgreSQL C API client 14	dbmpgs_9	✓	✓	✓	✓	✓	✓	✓
15	PostgreSQL C API client 15	dbmpgs_9	✓	✓	✓	✓	✓	✓	✓
16	PostgreSQL C API client 16	dbmpgs_9	✓	✓	✓	✓	✓	✓	✓
<b>Oracle MySQL</b>									
8.0	MySQL C API client 8.0	dbmmys_8_0		✓	✓	✓			✓
8.2	MySQL C API client 8.2 (New)	dbmmys_8_2		✓	✓	✓			✓
<b>MariaDB</b>									
10.4	MariaDB C API client 10.4 (*) (Desupported June 2024)	dbmmdb_10_2		✓	✓	✓			✓
10.5	MariaDB C API client 10.5	dbmmdb_10_2		✓	✓	✓			✓
10.6	MariaDB C API client 10.6	dbmmdb_10_2		✓	✓	✓			✓
10.10	MariaDB C API client 10.10	dbmmdb_10_2		✓	✓	✓			✓
11	MariaDB C API client 11 (New)	dbmmdb_10_2		✓	✓	✓			✓
<b>Microsoft SQL Server</b>									
SQL Server 2017	EasySoft ODBC 2.0.x	dbmesm_1	✓	✓	✓				
	Microsoft ODBC Driver 17.x	dbmsnc_17		✓					✓
	Microsoft ODBC Driver 18.x	dbmsnc_18		✓		✓			✓
SQL Server 2019	FreeTDS ODBC 1.2.x	dbmftm_0	✓	✓	✓		✓	✓	
	EasySoft ODBC 2.0.x	dbmesm_1	✓	✓	✓				
	Microsoft ODBC Driver 17.x	dbmsnc_17		✓					✓
SQL Server 2022	Microsoft ODBC Driver 18.x	dbmsnc_18		✓		✓			✓
	FreeTDS ODBC 1.2.x	dbmftm_0	✓	✓	✓		✓	✓	
	EasySoft ODBC 2.0.x	dbmesm_1	✓	✓	✓				
Azure SQL DB v12	Microsoft ODBC Driver 17.x	dbmsnc_17		✓					✓
	EasySoft ODBC 1.9.4	dbmesm_1	✓	✓	✓		✓	✓	
	Microsoft ODBC Driver 18.x	dbmsnc_18		✓		✓			✓
<b>SQLite</b>									
3	C/C++ Interface 3.x	dbmsqt_3	✓	✓	✓	✓	✓	✓	✓
<b>SAP HANA</b>									
2.0	SAP HANA ODBC 2.x	dbmhdb_2		✓	✓				✓

(\*) Support for this database is not free. The Dameng driver is delivered as part of the FGLGWS package but requires a specific Genero license for use.

## Systems Requirements for Four Js Genero Mobile 5.0x - Rev. 2024-03-28

Genero Studio	Target Platform			
	Android 8.x -> 14.x		iOS 13.x -> 17.x	
	Development	APK Build	Development	IPA Build
<b>Apple</b>				
macOS	✓	✓(1)	✓(2)	✓(2)
<b>Linux</b>				
Rocky Linux / Red Hat 9 (x86_64), Gnome 3(4)	✓	✓(1)	✓(3)	✗
<b>Microsoft Windows</b>				
Windows 10 / 11	✓	✓(1)	✓(3)	✗

- ✓(1) For JDK supported version please refer to page 5 (Four Js Genero 5.0x.xx Supported Java List) of this document
- ✓(2) Development of native iOS extensions requires Xcode 13 or later (please refer to <https://xcodereleases.com/> for more information about macOS requirements).
- ✓(3) Requires an iOS Device (iOS 13.x to 17.x) with the Genero Mobile Development Client (available from Apple App Store) installed
- (4) Tested on Rocky Linux 9 64bit with Gnome 3.x. Known to work on Linux distributions with GNU C Library (glibc) 2.24 or later, and 64-bit capable of running 32-bit applications

Genero Browser Client 5.0x.xx

Rev. 2024-03-28

**Supported web browser**

Mozilla Firefox (latest stable version)	✓
Google Chrome (latest stable version)	✓
Microsoft Edge (latest stable Chromium based version)	✓
Apple Safari (latest stable version)	✓
Native mobile browsers on iOS (Mobile Safari) and Android™	✓

Genero Report Viewer (GRV) for HTML5 Rev. 2024-03-28

**Supported web browser**

	Viewing	Printing
Mozilla Firefox (latest stable version)	✓	✓(1)
Google Chrome (latest stable version)	✓	✓(1)
Microsoft Edge (latest stable Chromium based version)	✓	✓(1)
Apple Safari (latest stable version)	✓	X
Native mobile browsers on iOS (Mobile Safari) and Android™	X	X

✓(1) Requires specific browser setup

X Not supported

Four Js Genero 5.0x.xx Supported Java list Rev.2024-03-28

Java version	Genero BDL With Web Services	Genero Application Server for Java	Genero Ghost Client	Genero Mobile for Android Client	Genero Report Engine
Oracle Java (JRE - JDK)					
17	✓	✓	✓	✓	✓
OpenJDK					
17	✓	✓	✓	✓	✓

Exceptions:

- IBM AIX: Four Js tested with IBM Java.

**APPENDIX A : Operating systems EOL - Rev. 2024-03-28**

OS name	Processor	End of life Date	URL
<b>Apple</b>			
MacOS 10.14 Mojave	X86_64	2021-10-25	<a href="https://endoflife.date/macos">https://endoflife.date/macos</a>
MacOS 10.15 Catalina	X86_64	2022-09-12	<a href="https://endoflife.date/macos">https://endoflife.date/macos</a>
macOS 11.x Big Sur	X86_64	2023-09-26	<a href="https://endoflife.date/macos">https://endoflife.date/macos</a>
macOS 12.x Monterey	X86_64	TBD	<a href="https://endoflife.date/macos">https://endoflife.date/macos</a>
macOS 13.x Ventura	X86_64	TBD	<a href="https://endoflife.date/macos">https://endoflife.date/macos</a>
macOS 14.x Sonoma	X86_64	TBD	<a href="https://endoflife.date/macos">https://endoflife.date/macos</a>
<b>IBM</b>			
AIX 7.2	PowerPC (64bit)	TBD	<a href="https://www.ibm.com/support/pages/aix-support-lifecycle-information">https://www.ibm.com/support/pages/aix-support-lifecycle-information</a>
AIX 7.3	PowerPC (64bit)	2026-11-30	<a href="https://www.ibm.com/support/pages/aix-support-lifecycle-information">https://www.ibm.com/support/pages/aix-support-lifecycle-information</a>
<b>Linux Distributions</b>			
Red Hat Enterprise 8	X86_64	2029-05-31	<a href="https://access.redhat.com/product-life-cycles?product=Red%20Hat%20Enterprise%20Linux_OpenShift%20Container%20Platform%204">https://access.redhat.com/product-life-cycles?product=Red%20Hat%20Enterprise%20Linux_OpenShift%20Container%20Platform%204</a>
Red Hat Enterprise 9	X86_64	2032-05-31	<a href="https://access.redhat.com/product-life-cycles?product=Red%20Hat%20Enterprise%20Linux_OpenShift%20Container%20Platform%204">https://access.redhat.com/product-life-cycles?product=Red%20Hat%20Enterprise%20Linux_OpenShift%20Container%20Platform%204</a>
Oracle Linux8	X86_64	2029-07	<a href="http://www.oracle.com/us/support/library/elsp-lifetime-069338.pdf">http://www.oracle.com/us/support/library/elsp-lifetime-069338.pdf</a>
Ubuntu 22.04	X86 / X86_64	2027-04	<a href="https://endoflife.software/operating-systems/linux/ubuntu">https://endoflife.software/operating-systems/linux/ubuntu</a>
SUSE Linux Enterprise Server 12	X86_64	2024-10-31	<a href="https://www.suse.com/lifecycle/">https://www.suse.com/lifecycle/</a>
SUSE Linux Enterprise Server 15	X86_64	2028-07-31	<a href="https://www.suse.com/lifecycle/">https://www.suse.com/lifecycle/</a>
Rocky Linux 8	X86_64	2029-05-31	<a href="https://rockylinux.org/news/rocky-linux-9-0-ga-release/">https://rockylinux.org/news/rocky-linux-9-0-ga-release/</a>
Rocky Linux 9	X86_64	2032-05-31	<a href="https://rockylinux.org/news/rocky-linux-9-0-ga-release/">https://rockylinux.org/news/rocky-linux-9-0-ga-release/</a>
RedHat 9.2	ARM-AArch64	2024-06-30	<a href="https://wiki.centos.org/About/Product">https://wiki.centos.org/About/Product</a>
<b>Microsoft Windows</b>			
Windows 10	X86_64	2025-10-14	<a href="https://docs.microsoft.com/en-us/lifecycle/products/windows-10-home-and-pro">https://docs.microsoft.com/en-us/lifecycle/products/windows-10-home-and-pro</a>
Windows 11	X86_64	TBD	<a href="https://docs.microsoft.com/en-us/lifecycle/products/windows-11-home-and-pro-version-21h2">https://docs.microsoft.com/en-us/lifecycle/products/windows-11-home-and-pro-version-21h2</a>
Windows Server 2016	X86_64	2027-01-12	<a href="https://docs.microsoft.com/en-us/lifecycle/products/windows-server-2016">https://docs.microsoft.com/en-us/lifecycle/products/windows-server-2016</a>
Windows Server 2019	X86_64	2029-01-09	<a href="https://docs.microsoft.com/en-us/lifecycle/products/windows-server-2019">https://docs.microsoft.com/en-us/lifecycle/products/windows-server-2019</a>
Windows Server 2022	X86_64	2029-01-09	<a href="https://docs.microsoft.com/en-us/lifecycle/products/windows-server-2022">https://docs.microsoft.com/en-us/lifecycle/products/windows-server-2022</a>
<b>Oracle Sun</b>			
Solaris 11	SPARC / X86_64	2034-11-30	<a href="http://www.oracle.com/us/support/library/lifetime-support-hardware-301321.pdf">http://www.oracle.com/us/support/library/lifetime-support-hardware-301321.pdf</a>
Solaris 11	X86_64	2034-11-30	<a href="http://www.oracle.com/us/support/library/lifetime-support-hardware-301321.pdf">http://www.oracle.com/us/support/library/lifetime-support-hardware-301321.pdf</a>

<b>Legend</b>	
Not found	Four Js cannot find the information.
Not yet defined	The end-of-life date has yet to be defined

**APPENDIX B : Databases EOL - Rev. 2024-03-28**

Database Name	End of life Date	URL
<b>IBM Informix</b>		
CSDK 4.10	Not yet defined	<a href="https://www.ibm.com/support/lifecycle/details?q45=L335162T22459B78">https://www.ibm.com/support/lifecycle/details?q45=L335162T22459B78</a>
CSDK 4.50	Not yet defined	<a href="https://www.ibm.com/support/lifecycle/details?q45=T838949I61859V46">https://www.ibm.com/support/lifecycle/details?q45=T838949I61859V46</a>
<b>Oracle Database</b>		
12.1	2022-07	<a href="http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf">http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf</a>
12.2	2020-11-01	<a href="http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf">http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf</a>
18c	2021-06-01	<a href="http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf">http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf</a>
19c	2027-04-30	<a href="http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf">http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf</a>
21c	2026-04-30	<a href="http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf">http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf</a>
23c	Not yet defined	
<b>Dameng Database</b>		
8.x	Notfound	
<b>PostgreSQL</b>		
12	2024-11-14	<a href="https://endoflife.date/postgresql">https://endoflife.date/postgresql</a>
13	2025-11-13	<a href="https://endoflife.date/postgresql">https://endoflife.date/postgresql</a>
14	2026-09-30	<a href="https://endoflife.date/postgresql">https://endoflife.date/postgresql</a>
15	2027-11-11	<a href="https://endoflife.date/postgresql">https://endoflife.date/postgresql</a>
16	2028-11-09	<a href="https://endoflife.date/postgresql">https://endoflife.date/postgresql</a>
<b>Oracle MySql</b>		
8.0	2026-04-01	<a href="http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf">http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf</a>
8.2	TBD	<a href="https://endoflife.date/mysql">https://endoflife.date/mysql</a>
<b>MariaDB</b>		
10.4	2024-06-18	<a href="https://mariadb.org/about/#maintenance-policy">https://mariadb.org/about/#maintenance-policy</a>
10.5	2025-06-24	<a href="https://mariadb.org/about/#maintenance-policy">https://mariadb.org/about/#maintenance-policy</a>
10.6	2026-07-06	<a href="https://mariadb.org/about/#maintenance-policy">https://mariadb.org/about/#maintenance-policy</a>
10.10	2023-11-17	<a href="https://mariadb.org/about/#maintenance-policy">https://mariadb.org/about/#maintenance-policy</a>
11	2024-11-21	<a href="https://mariadb.org/about/#maintenance-policy">https://mariadb.org/about/#maintenance-policy</a>
<b>Microsoft SQL Server</b>		
SQL Server 2017	2027-12-10	<a href="https://docs.microsoft.com/en-us/lifecycle/products/sql-server-2017">https://docs.microsoft.com/en-us/lifecycle/products/sql-server-2017</a>
SQL Server 2019	2030-08-01	<a href="https://docs.microsoft.com/en-us/lifecycle/products/sql-server-2019">https://docs.microsoft.com/en-us/lifecycle/products/sql-server-2019</a>
SQL Server 2022	2033-01-11	<a href="https://learn.microsoft.com/en-us/lifecycle/products/sql-server-2022">https://learn.microsoft.com/en-us/lifecycle/products/sql-server-2022</a>
<b>SQLite</b>		
3	No rules	<a href="https://sqlite.org/news.html">https://sqlite.org/news.html</a>
<b>SAP HANA</b>		
2.0	Not yet defined	<a href="https://blogs.sap.com/2020/02/21/planned-release-of-sap-hana-2.0-sps05-and-impact-on-maintenance-for-sap-hana/">https://blogs.sap.com/2020/02/21/planned-release-of-sap-hana-2.0-sps05-and-impact-on-maintenance-for-sap-hana/</a>

Legend	
Not yet defined	The end-of-life date has yet to be defined
No rules	There is no rule provided by the database provider; support can stop at any moment.
Not found	Four Js cannot find the information.