This chart updated: 10/21/2022
The hercules-helper scripts are tested (occassionally) on these systems:

VMware indicates VMware 16 running on Windows 10 running on Intel i7 CPU
All builds are compiled natively on the target OS (not cross compiled)
All builds match the bitness of the installed OS

Target OS	OS Version	CPU	RAM	Compiler	System	Date Tested
Windows 10	Pro 20H2	x86_64	6 GB	VS2017/2019	Vmware	25-Feb-21
AlmaLinux	8.4	x86_64	4 GB	gcc 8.4.1	VMware	16-Jul-21
CentOS	Stream 8	x86_64		gcc 8.4.1	VMware	14-Jan-21
CentOS	8.2.2004	x86_64		gcc 8.3.1	VMware	14-Jan-21
CentOS	7.9.2009	x86_64		gcc 4.8.5	VMware	14-Jan-21
Fedora	36	x86_64	4 GB	gcc 12.2.1	VMware	13-Sep-22
Debian	11	x86_64	6 GB	gcc 10.2.1	VMware	13-Sep-22
Debian	10.9	x86_64	6 GB	gcc 8.3.0	VMware	13-Sep-22
Debian	10.6	i686 32-bit	6 GB	gcc 8.3.0	VMware	13-Sep-22
Debian	10.6	i686 32-bit	6 GB	clang 7.0.1	VMware	13-Sep-22
Debian	9.9	i686 32-bit		gcc 6.3.0	VMware	12-Dec-20
Debian	8.6	i686 32-bit		gcc 8.3.0	VMware	18-Dec-20
Debian	8.6	i686 32-bit		gcc 6.3.0	VMware	17-Dec-20
Debian	8.6	i686 32-bit		gcc 5.4.0	VMware	20-Dec-20
Debian	8.6	i686 32-bit		gcc 4.9.3	VMware	12-Dec-20
Debian	8.6	i686 32-bit		gcc 4.9.2	VMware	12-Dec-20
Zorin	15.3	x86_64	4 GB	gcc 7.5.0	VMware	01-Jul-21
Kubuntu	20.04	x86_64		gcc 9.3.0	VMware	03-Aug-21
Ubuntu	22.10	x86_64	6 GB	gcc 12.2.0	VMware	21-Oct-22

OS	Version	Architecture	Memory	Compiler	Platform	Date
Ubuntu	20.04	x86_64		gcc 9.3.0	WSL2	13-Dec-20
Ubuntu	18.04	x86_64		gcc 7.5.0	VMware	12-Dec-20
Ubuntu	16.04	x86_64		gcc 5.4.0	Docker	18-Feb-21
Ubuntu	12.04	i686 32-bit		gcc 8.3.0	VMware	18-Dec-20
Ubuntu	12.04	i686 32-bit		gcc 6.3.0	VMware	17-Dec-20
Ubuntu	12.04	i686 32-bit		gcc 4.8.5	VMware	12-Dec-20
Ubuntu	12.04	i686 32-bit		gcc 4.6.3	VMware	12-Dec-20
KDE Neon	5.21	x86_64	6 GB	gcc 9.3.0	VMware	06-Jul-21
KDE Neon	20.04	x86_64	2 GB	gcc 9.3.0	VMware	09-Jan-21
KDE Neon	11.19	x86_64		gcc 7.5.0	VMware	12-Dec-20
Mint	20	x86_64		gcc 9.3.0	VMware	13-Dec-20
Arch	5.14.12	x86_64	4 GB	gcc 11.1.0	VMware	14-Oct-21
Manjaro KDE	21 5.10.136	x86_64	4 GB	gcc 12.1.1	VMware	12-Sep-22
openSUSE	15.1	x86_64		gcc 7.5.0	VMware	07-Jan-21
openSUSE	15.2	x86_64		gcc 7.5.0	VMware	
openSUSE	15.3	x86_64		gcc 7.5.0	VMware	30-Apr-21
RPI OS	(beta)	AArch64	8 GB	gcc 8.3.0	Pi 4B 8GB	15-Jul-21
Raspbian	2020-05-27	armv7l	8 GB	gcc 8.3.0	Pi 4B 8GB	13-Sep-22
Raspbian	2019-07-10	armv6l	512 MB	gcc 8.3.0	Pi Zero W	16-Jul-21
Ubuntu	21.04	AArch64	8 GB	gcc 7.5.0	Pi 4B 8GB	07-Jan-21
Ubuntu Mate	20.10	AArch64	8 GB	gcc 10.2.0	Pi 4B 4GB	07-Jan-21
Manjaro	20.12	AArch64	8 GB	gcc 10.2.0	Pi 4B 4GB	19-Jan-21
Freebsd	12.2	arm64		Clang 10	Pi 3B+	08-Apr-21
Freebsd	12.2	x86_64		Clang 10	Vmware	11-Oct-21
Freebsd	13.0 RC5	arm64		Clang 11	Pi 4B	12-Apr-21
NetBSD	9.0	amd64			AMD64 Server	not ready yet
OpenBSD	7.1	amd64	6 GB	Clang 13	Vmware	not ready yet
MacOS	10.13.6	amd64		Clang 10.0.0	VMware	06-Jul-21
MacOS	10.14.6	amd64		Clang 10	VMware	02-May-21

MacOS	10.15	amd64		VMware	
MacOS	11.5.1	amd64	Clang 12.0.5	VMware	28-Aug-21
MacOS	11.5.1	amd64	Clang 12.0.5	VMware	28-Aug-21
MacOS	12	amd64	Clang 13	VMware	01-Oct-21
MacOS	11.4	Apple M1	Clang 12.0.5	Mac Mini M1	06-Jul-21

Notes / Problems

Build fails: missing __atomic_compare_exchange_8

CBUC test fails
CBUC test fails
Tests failed; crashed

seems to be based on Ubuntu 18.04

Docker on WSL2

CBUC test fails
CBUC test fails

Tests hang waiting for input after EXIT command

Locally built Regina 3.6
CBUC test fails

'mainsize' test is skipped

trouble with dlopen()

High Sierra
Mojave

Catalina
Big Sur (Homebrew)
Big Sur (MacPorts)
Monterey (Beta)
Big Sur