

Mono (C# environment)

Introduction

The [Mono](#) [1] .NET environment provides a platform for running C# programs.

Running Mono on Lattice and Parallel

A basic version of Mono has been installed on Lattice and Parallel, providing a C# compiler, mcs (and its variant names as described on the Mono project [C# compiler web page](#) [2]), and the mono command to run the resulting binary. Programs that use graphical features (drawing in windows) are not supported at this time.

Note that this software was installed for a project in which the researcher was going to use the GPU-enabled nodes on Parallel. In general, Mono-based programs are unlikely to be appropriate for running on the general CPU-based compute nodes on Lattice and Parallel, as these are intended for large-scale parallel programs.

To set up your environment (bash shell example) to use the compiler or the mono run-time environment:

```
export PATH=/global/software/mono/mono421/bin:$PATH
```

Given a C# program, hello.cs, it can be compiled to produce a mono binary, hello.exe, with:

```
mcs hello.cs
```

The resulting program can then be run with

```
mono hello.exe
```

For More Information

Mono home page (external link)

<http://www.mono-project.com/> [1]

Category

[Other Languages](#) [3]

Brief Description

Mono .NET environment to provide a platform for running C# programs.

Updated Date

2015-01-07 - Added instructions for running Mono on Parallel.

2015-11-25 - Updated for version 4.2.1 on Parallel.

Source URL: <https://www.westgrid.ca/support/software/mono>