

Installing Ceedling Unit Test Tools

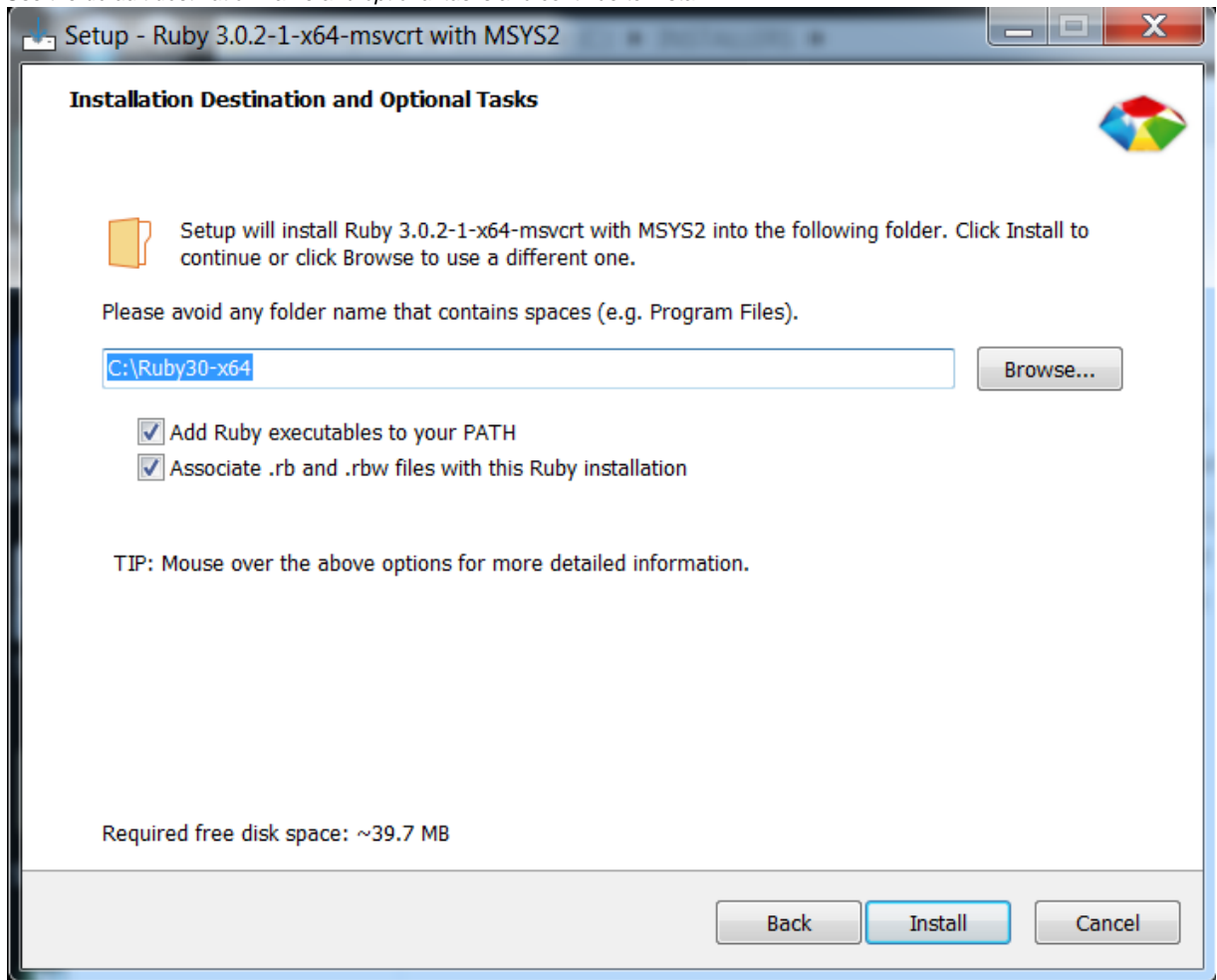
This article describes how to install **ceedling V0.31.4** unit test tools on Windows10 Environment. *Ceedling* requires *Ruby* to run and uses *GCC* to build each test.

The following tools are installed with this instruction.

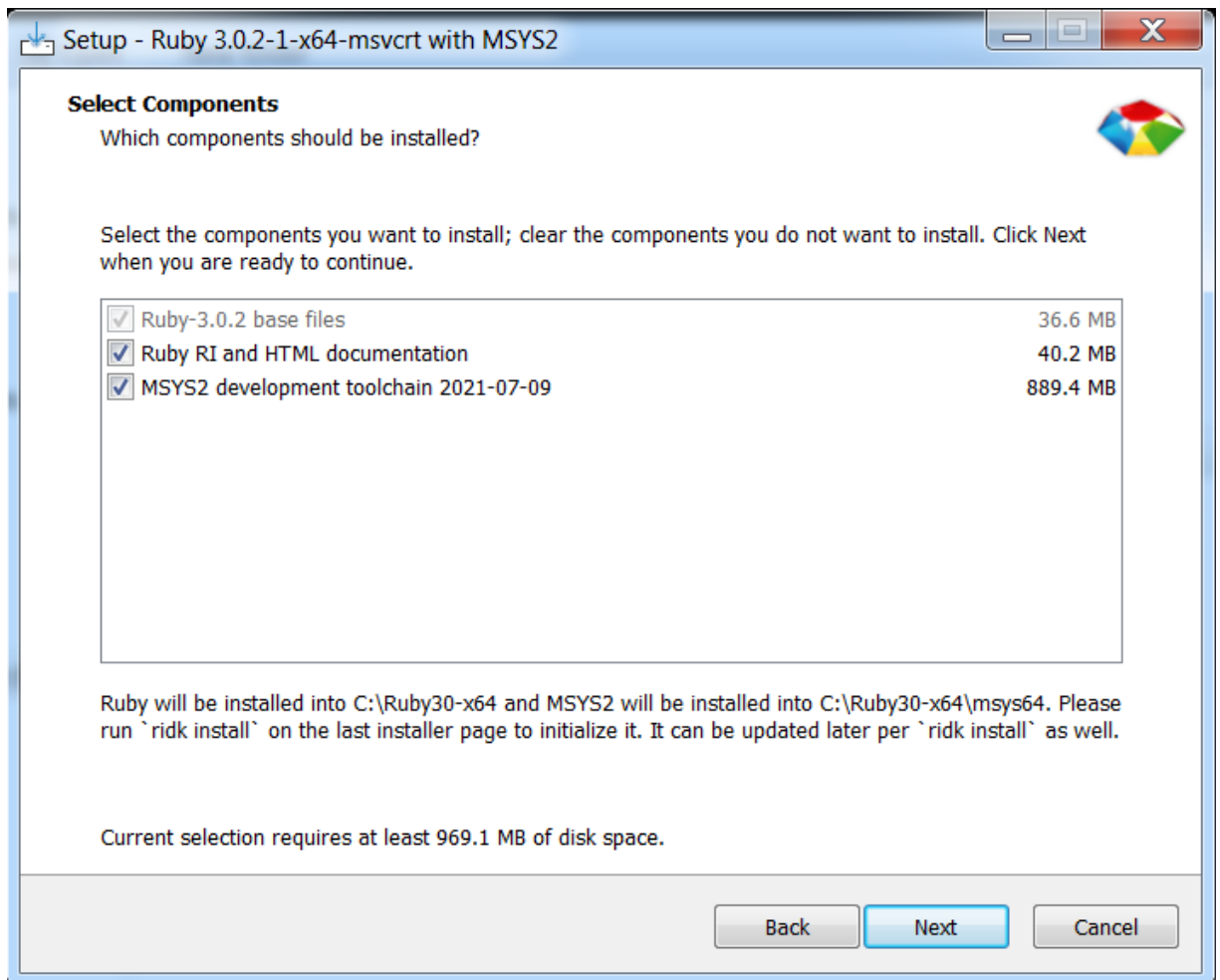
- **Ruby:** 3.0.2p107
- **Ceedling:** V0.31.1
- **GCC:** 10.3.0

Ceedling Installation Instructions

1. Download *Ruby* with development kit Installer
 - a. *Rubyinstaller-devkit-3.0.2-1-x64.exe* from <https://rubyinstaller.org/downloads/>
2. Run *Rubyinstaller-devkit-3.0.2-1-x64.exe*
 - a. Use the *default destination* name and *optional tasks* and continue to Install



- b. Select the *default components* including the *MSY2 development toolchain 2021-07-09*



3. Install *Ceedling* with the Ruby “gem” tool with the command: `gem install ceedling`

```
Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\M950>gem install ceedling
Fetching ceedling-0.31.1.gem
Fetching thor-0.20.3.gem
Fetching deep_merge-1.2.1.gem
Fetching constructor-2.0.0.gem
Successfully installed thor-0.20.3
Successfully installed deep_merge-1.2.1
Successfully installed constructor-2.0.0
Successfully installed ceedling-0.31.1
Parsing documentation for thor-0.20.3
Installing ri documentation for thor-0.20.3
Parsing documentation for deep_merge-1.2.1
Installing ri documentation for deep_merge-1.2.1
Parsing documentation for constructor-2.0.0
Installing ri documentation for constructor-2.0.0
Parsing documentation for ceedling-0.31.1
Installing ri documentation for ceedling-0.31.1
Done installing documentation for thor, deep_merge, constructor, ceedling after
1 seconds
4 gems installed

C:\Users\M950>
```

4. Add two *Ruby30-x64 bin* file path to system environment variable



- a. Verify installed Ruby version

```
C:\Users\M950>ruby --version
ruby 3.0.2p107 (2021-07-07 revision 0db68f0233) [x64-mingw32]
```

- b. Verify installed ceedling version*

```
C:\Users\M950>ceedling version
Welcome to Ceedling!
  Ceedling:: 0.31.1
    CMock:: 2.5.4
    Unity:: 2.5.4
  CException:: 1.3.3
```

c. Verify installed GCC version

```
C:\Users\M950>gcc --version
gcc (Rev5, Built by MSYS2 project) 10.3.0
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This is free software; see the source for copying conditions.  There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```