# CDP Developer Workstation for CDP 3001 Certification

1. **CDP Data Developer Certification –for Participant’s Environment:**

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| **Peripherals/Infrastructure** | **Peripherals/Infrastructure** | **Specifications** | **URLs** |
| Operating System | Windows 10 | Professional, 64-Bits | - |
| RAM | 8-12 GB |  | - |
| Storage/HDD | 80 GB | - | - |
| CPU | X86-64 Architecture |  | - |
| Network Bandwidth/Internet | Internet/LAN | 20-35 MBPS | - |
| Development SDK | Java | 1.8 | https://www.oracle.com/in/java/technologies/javase/javase8-archive-downloads.html |
|  | Scala | 3.2.1 with JDK 1.8 | <https://raw.githubusercontent.com/coursier/launchers/master/cs-x86_64-pc-win32.zip> <https://downloads.lightbend.com/scala/2.13.1/scala-2.13.1.msi> https://www.scala-lang.org/download/2.13.1.html |
|  | Python | 3.6 & 3.10 | https://www.python.org/downloads/release/python-3100/ |
| Development IDE | PyCharmEdu (for Python) | 2022.2.2 | https://www.jetbrains.com/edu-products/download/#section=pycharm-edu |
|  | IntelliJEdu( Scala and Java) | 2022.2.2 | https://www.jetbrains.com/edu-products/download/#section=idea-Scala |
|  | Jupyter Notebook | 6.5.2 | https://jupyter.org/install |
|  | Anaconda | 2022.10 | https://www.anaconda.com/ |
| Remote Terminal | Smart Putty | 3.0 | https://sysprogs.com/SmarTTY/ |
|  | SSH Secure Shell Client | 3.2.9 | https://ec.ccm2.net/ccm.net/download/files/SSHSecureShellClient-3.2.9.exe |
| Utility | Notepad++ | 8.4.4 | https://notepad-plus-plus.org/ |
|  | WinUtils |  | https://github.com/steveloughran/winutils |
|  | 7Zip | 22.01 | https://www.7-zip.org/ |
| DevSecOps and MLOps Tools | Jenkins | 3.65 | https://www.jenkins.io/download/ |
|  | Jenkins X/GitOps |  | https://jenkins-x.io/ |
|  | Git | 2.37 | https://git-scm.com/downloads |
|  | Splunk Enterprise | 9.0.1 | https://www.splunk.com/en\_us/download/splunk-enterprise.html |
| BigData SDK | Spark | 3.2.1 | https://spark.apache.org/downloads.html |
| External Analytics Studios | Tableau | - | https://www.tableau.com/ |
|  | R-Studio | 4.2.2 | https://posit.co/ |

1. **CDP Data Developer Post -Installation Configurations:**
   1. Jupyter Notebook - for Python and Scala
   2. PyCham IDE - for PySpark
   3. Intellij IDE - for Java and Scala(using Maven and default one)
   4. git clone with Github
   5. Remote Access to CDP Environment : Web and SSH
   6. Java, Python and Spark Homes

***Notes:***

1. ***Recommendation****: Download these Free/OSS SDKs, IDEs and Tools in folder and share Folder URL to crosscheck before installing into participants’ workstations. Each Installation takes 3/4 hours.*
2. *If any issue or trouble in installation, send details with screenshot and system configuration*
3. *Once Installation is completed, Application Specific Configuration is needed before cross-check session*