

# Required Software in VDI

Installing these tools on a VM provides a standardized, secure, and controlled environment for development, testing, data analysis, and cloud management. This setup supports productivity, collaboration, and compliance with IT policies.

## Required Software -

- **Python 3.11 (native, not via MS Store!)** - Essential for developing and running scripts, data processing, and integrating with various tools and platforms.
- **VSCoDe with below extensions - Azure tools - Python - Bicep - Github Copilot** - Enables efficient software development, cloud resource management, and automation, improving productivity and code quality.
- **Git** - Facilitates source code management, collaboration, and version tracking, which are critical for team-based development.
- **Notepad++ with extensions - Json Tools plugin** - Useful for quick editing, reviewing, and validating configuration files and scripts, especially JSON data.
- **Azure CLI**
- **One Lake Explorer** - Enables efficient data access and management in cloud data lakes, supporting analytics and data engineering.
- **Duckdb** - Ideal for fast, analytical data processing on local files, supporting data science and analytics workflows.
- **Postman Desktop** - Streamlines API development and testing, ensuring robust integration between systems and services and also useful for testing http Azure functions.
- **SSMS**

## Other Software

- PowerBI Desktop
- WinSCP / Putty
- Zulu – Java
- DBeaver