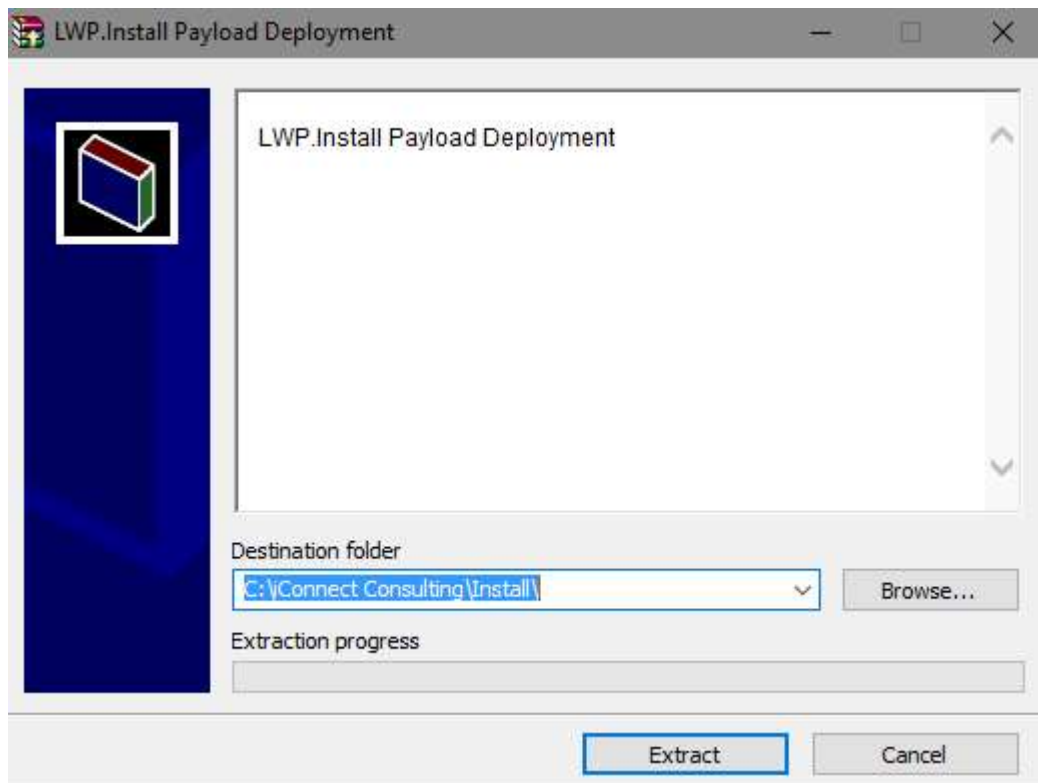# iConnect Lab Web Portal Core v8 Deployment Walkthrough

Lab Web Portal (LWP) Core component is the core data transaction layer for the LWP suite and the backbone for serving up all data. It is recommended to install this to a dedicated web server and to follow the instructions completely for a successful installation. The Data stored on this server must persist so please consider that when scheduling and creating backups of this machine.

Upgrade or Base Install

1. Run the LWP.Install.Core installer to deploy the packages to the installation folder.

2. Ensure you have placed the variables.bat file in the same folder that correspond with the node.

Base Install Scripts (skip for Upgrade)

3. Run the script named "variables.bat" as administrator. This **must** be run first to initialize the variables used by the Initialize and Dependencies scripts.
4. Run the script named "1c.Core.Initialize.bat" for a new installation as administrator. This can be run multiple times as an upgrade (optional) or fresh install.
5. Run the script named "2c.InstallDependencies.bat" for a new installation as administrator.

Upgrade or Base Install Scripts

6. Run the script named "3c.Core.update.bat" for a new installation as administrator. This can be run multiple times as an upgrade or fresh install.

Base Install Scripts (skip for Upgrade)

7. Run the script named "Prime MiKTeX.bat" for a new installation as administrator. This is to prime the MiKTeX dependency with necessary packages deployed automatically using the internet. It will significantly reduce the first PDF render time out of the box.

Notes when running with CI

1. iConnect Consulting, Inc. will release packages the same way each release. These packages (after extraction as shown in step 1 above) can be put into a folder that can be pushed using GIT and automatically upgraded with the "3c.Core.update.bat".
2. To keep the GIT pushes separated from the deployment servers, all packages can be segregated into their corresponding server on a "staging to GIT" box. Example:
    C:\iConnect Consulting\Install\Core → on the core server, locate this path to
    C:\iConnect Consulting\Install
    C:\iConnect Consulting\Install\Sync → on the sync server, locate this path to
    C:\iConnect Consulting\Install
    C:\iConnect Consulting\Install\Web → on the web server, locate this path to
    C:\iConnect Consulting\Install