Building out our IDM Application servers to incorporate Web Services

1. To support the HR team in Identity Access Management information request and application support, there are two servers in our environment used for IDM Web Services
   1. iuatidmgmtapp01.universal.co (UAT environment)
   2. idmgmtapp01.universal.co (Prod environment)
2. The following software packages need to be installed on these two server in order for them to function as web servers tailored for our environment.
   1. Strawberry Perl programming language
   2. Apache Web Server
   3. CPAN Perl modules
   4. Git Repository
   5. PHP 8
   6. Various PowerShell modules
   7. IDM HTML files
3. Detailed breakdown of each software package installation.
   1. Strawberry Perl
      1. On the application server itself, navigate via your web browser to this URL to down Strawberry Perl: <https://strawberryperl.com>
      2. Follow the Download instructions
   2. CPAN Perl modules
      1. Once Strawberry Perl is installed, open a command prompt window with administrative privileges.
      2. Type cpan and press enter.
      3. This will put you in the CPAN command-line windows prompt.
      4. To install modules within this command-line window, the following syntax format should be used: install *my\_module\_name* (i.e. install Switch).
      5. When you are down installing Perl modules, type quit to exit. Do not press CTRL/C or that will cause issues with your next CPAN login.
      6. The following CPAN Perl modules should be installed
         1. DBI
         2. CGI
         3. DateTime
         4. File::Spec
         5. File::Path
         6. Switch
         7. POSIX
         8. Time::HiRes
      7. Git Repository
         1. To download the Web server files from the repository, follow these instructions.
            1. Open your desktop git software
            2. Go to location where you want the downloaded files to be placed. (Do this within the Git software application).
            3. Issue this command: git clone https://davejaynes@dev.azure.com/davejaynes/Automation/\_git/IDM%20Web%20Server
   3. PHP 8
      1. Fortunately, the PHP 8 files comes with the IDM HTML distribution downloaded from the GIT repository.
      2. Create a folder on the server named C:\php
      3. Copy the files within the php folder your downloaded from GIT into the C:\PHP folder
      4. Add the C:\PHP folder to your system PATH setting within Windows.