***R2G2 Post Windows 10 Installation Setup (Production)***

Windows Programs and Features

* Ensure the following *Windows Features* are installed:
* Internet Information Services
* ASP.NET
* .Net Extensibility
* .Net 4.6.1 Extensibility
* Windows Message Queuing

Sql Server 2016 Express

* Download and install Sql Server 2016 Express
* During *System Configuration* ensure "mixed authentication mode" is selected



(assign "r2g2" as the password for the ***sa*** user)

* During *System Configuration* ensure all FILESTREAM options are enabled



Phidget Drivers

* Download and install the Phidget21 drivers from <http://www.phidgets.com/docs/OS_-_Windows#Quick_Downloads>

Install R2G2

* Copy all deployment files to "C:\Deployments"
* Navigate to "C:\Deployments\Install"
* Execute each of the numbered batch files in sequence (Note: must run as administrator)

Run R2G2 Administration App

* Open a browser and navigate to *http:\\localhost\Keebee.AAT.Administrator*
* Login as Administrator (password @dmin)
* Navigate through all the screens to ensure IIS is functioning
* In *Public Library* ensure there is media seeded for all media types and response types
* Logout

Run R2G2 Display App in Debug Mode

* Navigate to "C:\Deployments\UI\Display\1.0.0.0\Debug"
* Double-click the file "Keebee.AAT.Display.exe"
* Ensure thath events can be triggered with phidget sensor activity
* To kill the display activate any sensor plugged into slot "3"

If no phigets are currently plugged in

* Using Windows Explorer navigate to "C:\Deployments\UI\Simulator\1.0.0.0"
* Double-click the file "Keebee.AAT.Simulator.exe"
* Ensure that display events can be tirggered using the Simulator buttons

Note: Use the Administration App to view the default Phidget Configuration to see which buttons will trigger a response

* To kill the display, click the button "Kill Display" on the Simulator

Run R2G2 Display App in Release Mode

* Navigate to "C:\Deployments\UI\Display\1.0.0.0\Release"
* Double-click the file "Keebee.AAT.Display.exe"
* Test the application with real phidget sensor activity

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Troubleshoot / Verify Installation

*Computer Management* - Verify that all **Keebee AAT Services** are running



*Computer Management* - Verify that all **Event Log Sources** were created



*Computer Management* - Verify that all **Message Queues** where created



*User Accounts* - Verify that a new **webuser** was created



*IIS Manager ­-* Verify that all **Web Applications** were created



*IIS Manager ­- V*erify that the *DefaultAppPool* uses **webuser** for its identity



*Task Scheduler* - Ensure **Automated R2G2 Event Log Export** was created



Verify InvokeSqlQuery Module Registration

* Navigate to "C:\Windows\System32\WindowsPowerShell\v1.0\Modules"
* Ensure that the folder "InvokeSqlQuery" was created
* Ensure the files *InvokeSqlQuery.psd1* and *InvokeSqlQuery.psm1* exist inside
* ***Note: These modules are used for initial database creation and seeding only***

