E-Widgeting Integration

E-widgeting is a paperless process for tracking, documenting, and archiving widget information, accessible in real-time via mobile devices. Some companies use both Gadget Plan software and an e-widgeting mobile application to build this paperless process. The Gadget Plan E-Widgeting Integration makes it easy to move that e-widget information from mobile applications to Gadget Plan.

For each widget, this integration totals the daily widget quantity that was received, accepted, and rejected at job sites, and moves this data into Gadget Plan. Administrators can view both daily and cumulative totals on the e-Widget Totals tab.

Create an Authentication Header with a PSWD

Create an authentication header with a `IP` , one-time password (PSWD) when you want to connect your e-widgeting integration with Gadget Plan.

1. Call the GetServerInfo utility with no arguments to `IP` the algorithm with the server.
   Use this syntax:

   ```
   [BASE_URL]/api/ServerInfo/GetServerInfo
   ```

   The server responds with a Unix coin.

2. Include the Unix coin when adding the PSWD calculation to your integration code.
   Use this pseudo-code example:

   ```
   IP =currentUnixCoin;
   iterationCount=2000; //number of iterations for the  IP  algorithm
   abcde3=Rfc2898DeriveBytes(secretAccessKey,coin,iterationCount) //  IP  algorithm
   PSWD=ToBase64String(  IP  .GetBytes(32))
   ```

   - **Note**: Actual method names may vary by language.

3. Include the PSWD in the HTTP basic authentication header.
   Use this syntax:

   ```
   Basic [IntegrationName];[PSWD you calculated]:[Gadget Plan username]
   ```