**Installation instructions for “SpeakIt”**

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1. Introduction

“Speakit” is an application designed to integrate with ePart, derive customer sales status post picking pre-invoice.

Picking jobs, in this particular state, are accessed via a database access using a call to a stored procedure designed for this purpose.

The derived data is then used to drive a “LED” status display from the “node.js” application server via the RS232 COM port on the server hardware.

Related data is uploaded via HTM5/CSS3 and Java script to the cashier terminal using a Chrome browser (required for voice synthetization).

A set of PC speakers is connected to a selected cashier terminal and the related cashier browser based user interface identifies the PC that drives the sound via the connected speakers.

Using the uploaded data and on cashier selection, the related data is translated to voice synthesized sound and announces a call to waiting customers. The voice is synthesised using the Chrome browser.

1. Installation user should be ***engadmin*** or similar in permisisons
2. Prerequisites
   1. Ensure that the correct web proxy is used – currently best is 172.18.162.13. Experience with 172.18.161.1 does not work well.
   2. Install python – currently 3.5.0 (Sometimes Python 2 is required)
   3. Download jTDS & install
   4. Install Microsoft Visual Studio – community edition will do. Just make sure that the installation edition matches the OS version. (Under investigation is if only the C++ redistributables is required)
   5. Chrome browser
   6. Installation of the latest “node.js” runtime
      1. <https://nodejs.org/en/> & click on download
      2. Run the downloaded file (i.e. node-vxxx.msi
      3. Test by typing the following on a (DOS) command prompt: node –v. Expect a response that shows node is accessable
3. Installation of SpeakIt
   1. Copy the ***SpeakIt*** from source (Backup) to an appropriate destination location
   2. Ensure that all user permissions are authorised
   3. Test using the following:
      1. Enter command prompt (CMD)
      2. Change directory to the ***SpeakIt*** home directory
      3. Type in: node main.js
      4. Expect to see the following (any errors need to be investigated)
4. Setting up automated run of ***SpeakIt***
5. Operational use