Makerbot edge agent

# Introduction

This is a partial implementation to read status information from a makerbot 5 replicator. It depends on the CreoEdge server being run from the same machine.

The poller uses code from https://github.com/gryphius/makerbot-gen5-api python library by to authenticate with makerbot and save the camera image.

# Poller

Edit makerbotPoller.bat and replace the IP address with that of your makerbot. Run makerbotPoller.bat and follow the instructions.

# Makerbot Edge

Edit the makerbotconfig.txt file and replace the appropriate fields.

serverIp= address of your Thingworx server

port= port of your Thingworx server

appKey= app key that you set in Thingworx

thingName= Name of thing to connect to in ThingworxMyFileTransferThing

scanRate=milliseconds to wait between sending updates

camerafps=milliseconds to wait between sending camera frames

makerwareExec= Directory where makerWare is installed

makerbotServerDir= Directory this edge server will run from

creoServerDir=Directory the creo edge server will run from

fileTransferThingName= Name of a thing you made in thingworx that extends from the FileTransferThing template (same as thingName)

Now run printerEdge.bat

In Thingworx you should be able to browse for remote makerbot properties and services from the thing that you specified in the config file.