Robodad Netflix Process Documentation

This document describes the Netflix "Robodad" process and attempts to document its settings.

Prerequisites

This process requires a working Netflix account with a profile. It requires the Chrome browser and unless the email process is changed, a valid Gmail account that is set with mail forwarding functionality enabled. It requires a connection to Orchestrator which contains stored credentials.

Settings

The settings are located in the "AlertsProject\Data" directory. The settings file is editable in Microsoft Excel and it's called "Config.xlsx".

The following table describes the settings in this file:

Setting Name	Sample Value	Description
NetflixCred	Asset_Netflix	This is the name of a credentials asset in Orchestrator that contains the user's username and password for Netflix. This is the account that will be monitored by the process.
GmailSMTPCred	Gmail_SMTP	This is the name of a credentials asset in Orchestrator that contains a user's google gmail username and password. The gmail account in question will have to have mail forwarding set to "on". See: https://support.google.com/domains/answer/3251241?hl=en
DownloadPath	C:\Users\username\Downloads	The default path that to which the Chrome browser will download files. This is typically the user's download path.
NetflixProfile	Kids	The name of the Netflix profile to monitor.
NetflixDownloadFilename	NetflixViewingHistory.csv	The default filename that Netflix names it's viewing history download file.
logF_BusinessProcessName	Netflix	The name of this process.
Check Rate	30	The frequency in seconds that the process will download history from Netflix to see if someone has watched.
Alert Email	True	"True" (case insensitive) means that when a user is caught watching Netflix, an email will be sent. Any other value means that it will not be sent.
Alert Email To	email@email.com	The email address to which alerts should be sent if "Alert Email" = true.
Alert Email Subject	Someone has watched Netflix	The subject of the email sent if "Alert Email" is true.

Alert Email Body	Joe is watching Netflix.	The body of the email sent if "Alert Email" is true.
Alert Text	True	"True" (case insensitive) means that when a user is caught watching Netflix, a text message will be sent. Any other value means that it will not be sent.
Alert Text Phone	3335551234@txt.att.net	The means by which text messages are sent by default in this process is to use an email in the format that can be received by a major cell phone carrier. For example, for AT&T, the format is: [phone number]@txt.att.net .
Alert Text Content	Joe is watching Netflix.	The content of the text message to be sent.
Alert Text To Speech	True	"True" (case insensitive) means that when a user is caught watching Netflix, a text to speech voice notification will be made.
Alert Text To Speech Content	Joe is watching Netflix… Alert… Alert… Joe is watching Netflix	The text that will be spoken if the "Alert Text Content" value is true.
Alert Google Home	True	"True" (case insensitive) means that when a user is caught watching Netflix, a Google Home voice notification will be made.
Google Home Device	Master Bedroom	The name of the Google Home device to alert the user. The speech spoken here is contained in the "Alert Text to Speech Content" field.

In order for the "Google Home Device" to work, the device must be able to be seen by the Chrome browser when the "Cast" functionality is selected. The device name should be on the network and visible when a human being attempts to cast from the Chrome browser.

How it Works

The project was originally developed in an older version of the ReFramework on version 2018.2 of the product. The bulk of the process can be seen by opening "Process.xaml". It is here where the process first logs into Netflix to download a baseline profile. After that, in an infinite loop, the profile is downloaded again and again (according to the specified interval controlled in the "Check Rate" setting) until either the process is stopped or a user watches Netflix

If a user watches Netflix, the alerts that are triggered depend on what is set to trigger.

Key Process Files

The following table contains some important files in the process.

Process Name	Description
Main	This is the name of the workflow file to be executed to run the process. It remains unchanged from the ReFramework.
Process	This is the name of the workflow file that controls the action. It contains the infinite loop and executes other process files.
Common/CompareDatatables	This workflow compares two datatables. It's used to compare the baseline Netflix viewing history with the most recent viewing history to determine if someone has watched Netflix.
Common/GoogleHome	This workflow casts speech to a Google Home device using the casting functionality in the Chrome browser. You can run this workflow by itself to test this functionality.
Common/SendEmail	Sends an SMTP email. You can run this workflow by itself to test it.
Common/TextToSpeech	Uses the IBM Watson website to have your computer speak text. You can run this workflow by itself to test it.
Netflix/CompareViewingHistory	This will get a viewing history file, read it into a datatable, and compare it to a baseline viewing history to see if Netflix has been watched.
Netflix/GetBaselineHistory	This will get a viewing history file, read it into a datatable, and store it.
Netflix/LoginAndDownloadHistory	If a login cookie to Netflix doesn't exist, it will enter a username and password (from Orchestrator) to login to Netflix and download the viewing history file. This process can be run and tested on its own.