Gallagher Looper Utility

Release Note

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1 Introduction

The Gallagher Looper Utility is used to start or restart a program whenever it is closed. It is used as an assistant to monitor and manage the lifecycle of another application. It is primarily designed for managing CommandCentreClient and VMKiosk however it will also be usable for other applications that do not require command line arguments to start.

2 Usage

The Looper Utility can be used for any version of Gallagher Command Centre, and can either be run by double-clicking the executable or by executing via the command line or script file.

3 Configuration

Looper has two different sources of configuration:

- Looper.exe.config (default configuration)
- Command line arguments (override configuration)

3.1 Looper.exe.config

```
<appSettings>
  <add key="DefaultApplicationFilePath" value="CommandCentreClient.exe" />
  <add key="ProcessHealthWaitMilliseconds" value="500" />
</appSettings>
```

DefaultApplicationFilePath contains the absolute or relative filepath to the application executable being monitored. If **Looper.exe** is located in the same directory as the monitored application, only the filename is required here.

ProcessHealthWaitMilliseconds contains the number of milliseconds to wait after the monitored application has closed before checking to see if it has restarted automatically.

3.2 Command line arguments

The application file path can be overridden by being passed in as a command line argument to Looper.exe however it is not required.

Command Line Examples:

- Looper.exe VMKiosk.exe
- Looper.exe ..\..\..\CommandCentreClient.exe
- Looper.exe
- Looper.exe C:\SomeDirectory\Bin\MyApplication.exe

4 Looper Behaviour

The utility will monitor a specific application and ensure that at least one instance of that application is running at all times.

- If one is running, it will be monitored and restarted when it stops.
- If one is not running, it will be started.
- If multiple applications are running, one of the instances will be monitored and upon being closed, another instance will be monitored instead.
- After the monitored application is closed (process ended) a certain back-off time will occur and then a check for a running application will occur again.

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