

Contents of Basic Script

The general structure of the python scripts are as follows:

- Import Libraries
- Initialize/set variables
- Parse passed parameters from the engine
- Run point check
- Set return parameters
- Pass return parameters to engine

The Custom script/check must accept the following parameters by from the GeoMonitor Engine.

- **enginePID** Engine Process ID - unique for each point check
- **engineHost** Engine IP Address - used to send message back to Engine
- **enginePort** Engine Port number - used to send message back to Engine
- **debug** (optional) Set to True to record script debug information to log files
- **server** (optional) Parameter for server name

The Custom script/check must return the following parameters to the GeoMonitor Engine.

- **enginePID** Engine Process ID - unique for engine to keep track of point check
- **status** Status of the point check, either '**good**' / '**up**' or **error**
- **serviceTime** Actual time to perform point check
- **Msg** (optional) Message passed back to engine - display in User Interface

The Custom script can also pass other parameters it needs.

To be accessible the custom scripts or executables must be saved to the 'scripts' folder (YourProgramFiles/.../scripts) on the GeoSystems Monitor server.

The User Interface for establishing the parameters and naming the script is accessible through [Settings - Custom Monitor](#).

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