# Task Descriptions

This document contains a list of the current tasks that have been created in DeploymentSpike.Tasks

## Current Tasks

| Name | Description |
| --- | --- |
| **Database Tasks** | |
| SQL Server Database Backup | This task will take a backup of the specified SQL Server database. |
| **File Tasks** | |
| Copy Artifacts from Zip | This task will extract files from a zip file and put them into a configured location. This task will extract the entire zip or a specified subset of the zip. Multiple zip files and locations can be configured. |
| Copy Artifacts | This task will recursively copy artifacts from one location to another. Multiple locations can be configured. |
| Purge Artifacts | The task recursively deletes artifacts from a specified location. Multiple locations can be configured. |
| Scan Log File | This task will scan a configured file for matches with a configured regular expression. |
| **IIS Tasks** | |
| Add Default Page | This task will add a new default page to a specified site. Multiple sites can be configured. |
| Recycle Application Pool | This task will recycle application pools on a specified server. Multiple servers can be configured. |
| Remove Default Page | This task will remove a configured default page from a specified site. Multiple sites can be configured. |
| Reset IIS | This task will run the iisreset command. Multiple servers can be configured. |
| **Shell** | |
| Execute File | This task will run a specified file. |
| Execute Folder | This task will run all files with a specified extension in a folder. |

## General Task Settings

|  |  |  |
| --- | --- | --- |
| Name | Description | Default Value |
| ExecutionFlag | This is a flag that determines the type of execution. If the flag is set to diagnostic then only the settings are validated and no actual processing of the task or notification takes place. | Not Set |
| Pause | This is a flag that determines if there needs to be a pause in the execution after the task executes. To have the pause execute set the flag to true. | Not Set |

## Custom Task Settings

| Name | Description | Default Value |
| --- | --- | --- |
| **SQL Server Database Backup** | | |
| ConnectionString | This setting would specify the connection to be used to connect to a SQL Server database. | Null |
| Database | This setting would specify the database in the SQL Server database to be backed up. | Null |
| BackupFilename | This setting would specify the file the database is backed up to | Null |
| BackupsetDescription | The description of the backup. | Backup of database |
| BackupsetName | The name of the backup. | Database backup Now |
| Incremental | The backup type incremental or full. | False |
| ExpirationDate | The expiration date of the backup file | One month from the current date. |
| LogTruncation | The flag to determine if the log is truncated. | Truncate |
| **File Tasks** | | |
| SourceZip | This setting would contain all of the zip files to be extracted in a comma delimited list. | Null |
| DestinationFolder | This setting would contain all of the destination folder items in a comma delimited list. | Null |
| SourceFolder | This setting would contain all of the source folder items in a comma delimited list. | Null |
| PurgeFolder | This setting would contain all of the purge folder items in a comma delimited list. | Null |
| File | This setting would contain the file to scan. | Null |
| RegularExpression | This setting would contain the regular expression that is used to scan a file. | Null |
| **IIS Tasks** | | |
| IISServers | This setting would contain all of the IIS servers in a comma delimited list. | Null |
| IISSites | This setting would contain all of the IIS sites in a comma delimited list. | Null |
| IISPages | The setting would contain all of the IIS pages in a comma delimited list. | Null |
| **Shell** | | |
| ExecutingFileName | This setting would contain the file that would be executed. | Null |
| ExecutingFolder | This setting would contain the folder for all of files to be executed. | Null |
| ExecutingFileExtension | This setting would contain the file extension to be used as a filter. | Null |
| ExecutingArguments | This setting would be used as a template to inject each file into and then the argument is executed.as a parameter. | Null |

## Reason to Fail Validation

| Key | Description |
| --- | --- |
| **SQL Server Database Backup** | |
| ConnectionString | This setting is required. |
| Database | This setting is required. |
| BackupFilename | This setting is required. |
| **File Tasks** | |
| SourceZip | This setting is required. The file is required to exist. |
| DestinationFolder | This setting is required. The folder is required to exist. |
| SourceFolder | This setting is required. The folder is required to exist. |
| PurgeFolder | The setting is required. The folder is required to exist. |
| File | The setting is required. The file is required to exist. |
| ReqularExpression | The setting is required. |
| **IIS Tasks** | |
| IISServers | This setting is required. |
| IISSites | This setting is required. The count between the servers and the sites should be the same. |
| IISPages | This setting is required. The count between the pages and sites should be the same. |
| **Shell** | |
| ExecutingFileName | This setting is required. |
| ExecutingFolder | This setting is required and the folder must exist. |
| ExecutingFileExtension | This setting is required. |
| ExecutingArguments | This setting is required. |