
rtdtest

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Contents

1	Installation	3
2	Installation	5
3	Scheduled Task Setup	7

Todd is a repository of scripts used to gather data for Lockstep Analytics. Installation and management of these scripts is facilitated by the [Dirk](#) module.

CHAPTER 1

Installation

```
Install-Module Dirk
Import-Module Dirk
Install-Dirk -Path 'c:\lockstep' -GithubCredential (Get-Credential)
```

The above command will install Dirk to c:\lockstep, prompting for credentials. Optionally you can supply -Branch to install a specific branch during development.

```
Install-Dirk -Path 'c:\lockstep' -GithubCredential (Get-Credential) -Branch
↪ 'MyTestBranch'
```


CHAPTER 2

Installation

The root directory for the Todd (C:\lockstep\Todd in the example above) requires a *config.json* file. This will be loaded into Todd as `$ToddConfig` to be used by all subsequent scripts. The file is a json file with the following available settings.

Table 1: Main Config File

Setting	IsRequired	Type	Requires	Description
SyslogServer	no	string	SyslogPort SyslogApplication	fqdn/ip of the desired syslog server
SyslogPort	no	int	SyslogServer SyslogApplication	udp port for desired syslog server
SyslogApplication	no	string	SyslogServer SyslogPort	application identifier to use for syslog messages
LogDnaApiKey	no	int	SyslogApplication LogDnaEnvironment	apikey for logdna messages
LogDnaEnvironment	no	int	SyslogApplication LogDnaApiKey	environment identifier to use for logdna messages (set this to the shortname of the customer)
LogThreshold	no	int		verbosity level for logging (higher is more verbose)
MaxLogFiles	no	int		number of local log files to keep before rolling them
AesKey	yes	array		byte array used to encrypt sensitive configuration info, created with New-EncryptionKey from CorkScrew PowerShell module

Scheduled Task Setup

The `Dirk` comes with a handy cmdlet (`Register-DirkScheduledTask`) for setting up scheduled tasks to run Todd. It currently supports the following schedules.

- Daily
- Hourly
- Every 5 Minutes

Optionally you can supply an arbitrary `-JobName` parameter which is passed to Todd on runtime and used to determine what checks should run. More info on this at [Inputs](#). You must provide a credential to run the scheduled task.

```
Import-Module Dirk

# Daily Task with job name of everyday
$TaskCred = Get-Credential
Register-DirkScheduledTask -Daily -JobName everyday -ScheduledTaskCredential $TaskCred

# Hourly Task with job name of onthehour
$TaskCred = Get-Credential
Register-DirkScheduledTask -Hourly -JobName onthehour -ScheduledTaskCredential
↪ $TaskCred

# Every 5 minutes task with name of allthetime
$TaskCred = Get-Credential
Register-DirkScheduledTask -Every5Minutes -JobName allthetime -
↪ ScheduledTaskCredential $TaskCred
```

If you need some other schedule, you can still use this cmdlet, just update the schedule as needed.