Level 1

EPAM DEVOPS ONLINE LAB

Scripting: PowerShell. Exit task v2

Home tasks

TASK 1

1. Create a PowerShell script which can accepts only (!) following incoming parameters:

   a. name outputDir, value reports destination folder in string format. Default value: D:\temp\

   b. name applicationLogs, accepts only values true/false. Format boolen parameter. Default value: $true

   c. name systemLogs, accepts only values true/false. Format boolen parameter. Default value: $true

   d. name fromDate, date from which you want to get data. Format Date parameter. Default value: for the last 30 days.

   e. name severity, value - specify log level. Format - array. Default value: [Error,Warning]

2. You script should gather Windows Event Viewer logs and export data into .csv files.

   a. In case applicationLogs - true, get all Application logs

   b. In case systemLogs - true, get all System logs

   c. Each type of logs should be exported in the separate file with specific names:

      ▪ outputDir\ApplicationLogs_[Current datetime].csv

      ▪ outputDir\SystemLogs_[Current datetime].csv

      ▪ datetime format – yyyyMMddHHmmss

   d. CSV file should contain following information:

      ▪ MachineName

      ▪ TimeGenerated

      ▪ EntryType

      ▪ Source

      ▪ Message

HOMETASKS REQUIREMENTS

1. Tips: look at the data types in PowerShell and try to use PS version 4 or newer.

2. Use clear formatting.

3. No errors on execution.

4. Use best practices during development.

5. Your scripts should be readable.

6. Use comments where is needed.

7. Use console output and logging to show result of your work

HOMETASK RESULTS

1. Create screenshots containing the following information:

   a. All screenshots should contain system datetime of your host OS.

   b. Output of the console with execution result of your code.

2. Put all of your *.ps1 files into zip archive following naming convention: {Name_Surname}_PowerShell_TaskNumber.zip.

3. All home task artifacts should be attached to the appropriate chapter in grow form.