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| **How to run function** | | Save the .ps1 file containing function and call the function. Parameters can be passed depending on the task requirement. | | | | | | | | | |
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| **Test Scenario 1.** | Fetching all time zone details from the JSON file | | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Get-CommonTimeZone | Format-Table | | | Should provide all time zone details contained in base JSON file. | | As Expected | | | Pass | | |
| **Fig. 1: Test case 1** | | | | | | | | | | | |

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| **Test Scenario 2.** | Fetching time zone details from the JSON file with a specific key word | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Get-CommonTimeZone -Name Asia | Format-Table | | Should provide all time zone details with a specific name provided in -Name parameter contained in base JSON file. | | As Expected | | | Pass | | |
| **Fig. 2: Test case 2** | | | | | | | | | | |

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| **Test Scenario 3.** | Fetching time zone details from the JSON file with a specific offset value | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Get-CommonTimeZone -Offset 9.5 | Format-Table | | Should provide all time zone details with a specific offset value provided in -Offset parameter contained in base JSON file. | | As Expected | | | Pass | | |
| **Fig. 3: Test case 3** | | | | | | | | | | |
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| **Test Scenario 4.** | Value outside of expected parameter range provided in -Offset parameter value | | | | | |  |  |  |  |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Get-CommonTimeZone -Offset 16 | Format-Table | | Function should fail and mentioning parameter provided is out of range | | As Expected | | | Fail | | |
| **Fig. 4: Test case 4** | | | | | | | | | | |

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| **Test Scenario 5.** | Unable to fetch data from .json file | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Get-CommonTimeZone | | Function should fail and provide relevant error message | | As Expected | | | Fail | | |
| **Fig. 5: Test case 5** | | | | | | | | | | |

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| **Test Scenario 6.** | You should not be able to supply both input parameters ('Name' and 'Offset') simultaneously | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Get-CommonTimeZone -Name America | | -Offset parameter should not come up | | As Expected | | | NA | | |
| **Fig. 6: Test case 6** | | | | | | | | | | |