AU374 - [Developing Advanced Automation with Red Hat Ansible Automation Platform]
EX374 - [Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform]

Start Date - June 9, 2025
Start Time - 09:30 AM IST
Tea Break - 10:30 AM IST (15 Minutes)
Lunch Break - 12:30 PM IST (45 Minutes)
Tea Break - 03:45 PM IST (15 Minutes)
End Time - 05:30 PM IST
End Date - June 13, 2025

Instructor Name - Rajat Agrawal
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Lab Portal - https://rol.redhat.com/rol/app/

Lab Credentials (Workstation VM)
Username - student
Password - student

Training Bookshelf - https://rhtapps.redhat.com/trainingbookshelf/ebook/do374-2.2

Calculation of Forks

CPU
1 CPU = 4 Forks

Memory
1 GB Mem = 10 Forks

Rule = Calculate both CPU and Mem, and use the **lower** number as effective forks value.

4 CPU and 4 GB
forks = 16

Calculating the batch size

Rule = If the value is less than 1, then round it up
Total number of hosts in inventory = 4
Batch size = 10%
max number of hosts in 1 batch = 1

10% of 4 = 0.4
Ansible will round it up to 1

Rule = If the value is more than 1, then always round it down
Total number of hosts in inventory = 9
Batch size = 25%

max number of hosts in 1 batch = 2

25% of 9 = 2.25
Ansible will round it down to 2

Multiple batch size example

Total number of hosts in inventory = 45

```
serial:
  - 2
  - 15%
  - 40%
```

Batch 1
Total number of hosts = 45
serial value = 2
resulting batch size = 2
remaining hosts = 45 - 2 = **43**

Batch 2
Total number of hosts = 45
serial value = 15% (always calculate this with total number of hosts)
Max number of hosts = 6.75
resulting batch size = 6
remaining hosts = 43 - 6 = **37**

Batch 3
Total number of hosts = 45
serial value = 40% (always calculate this with total number of hosts)
Max number of hosts = 18
resulting batch size = 18
remaining hosts = 37 - 18 = **19**

Batch 4
Total number of hosts = 45
serial value = 40% (always calculate this with total number of hosts)
Max number of hosts = 18
resulting batch size = 18
remaining hosts = 19 - 18 = **1**

Batch 5
Total number of hosts = 45
serial value = 40% (always calculate this with total number of hosts)
Max number of hosts = 18
resulting batch size = 1
remaining hosts = 0

Rule for Aborting a play
If all (100%) hosts in the batch fails, only then the play will be aborted, otherwise, Ansible will move onto the next batch of hosts.

max_fail_percentage: 20% (in a batch)