

## Mounting Elastic File System (EFS) for multiple EC2 instances using AWS Systems Manager.

### Part1)

- Create EFS file system
- Launch template for two EC2 instances
- with SSM Agent and SSM role attached using bootstrap script.

User data:

```
#!/bin/bash
sudo yum update -y
cd /tmp
sudo yum install -y https://s3.amazonaws.com/ec2-downloads-windows/SSMAgent/latest/linux_amd64/
amazon-ssm-agent.rpm
sudo systemctl enable amazon-ssm-agent
sudo systemctl start amazon-ssm-agent
sudo yum install -y amazon-efs-utils
sudo yum install httpd -y
service httpd start
chkconfig httpd on
```

### Part2 )

- Will work with AWS systems manager to manage these EC2 instances and run the shell script.

[AWS-RunShellScript](#)

Shell Script:

```
cd /var/www
sudo mount -t efs -o tls fs-b1442760:/ /var/www/html
```

## AWS Introduction or Basic Videos:

1. FEBATECH AWS | How to create a free AWS account in just 5 minutes.
2. FEBATECH AWS | How to navigate the AWS Console
3. FEBATECH AWS | IAM | Users | Groups | Policies | Roles
4. FEBATECH AWS | How does AWS Budgets work ?
5. FEBATECH AWS | How to access the AWS console using the AWS CLI

Several Intermediate , Advanced videos on S3, EFS  
, Load Balancers, CloudFormation, RDS and VPC, API Gateway, Lambda, AWS Systems Manager.

## AWS Reference sites for deep dive:

### **AWS reference links:**

<https://docs.aws.amazon.com/>

<https://aws.amazon.com/quickstart/?quickstart-all.sort-by=item.additionalFields.sortDate&quickstart-all.sort-order=desc>

<https://aws.amazon.com/architecture/>

<https://aws.amazon.com/about-aws/whats-new/2020/>

<https://aws.amazon.com/developer/>

<https://aws.amazon.com/solutions/case-studies/>

<https://calculator.aws/#/>

CloudFormation RoadMap for the DevOps Engineering team.  
Dated : Oct 12 2020

End Results:  
Templates for SG, VPC's and EC2, RDS

KrishnaDeepak :  
VPC's

Pranav:  
SG, EC2 ,RDS

What it means to each of us.

KD:  
You need to build CF templates for the above with user-friendly scripts.

VPC's :  
Day1 : Build the same in AWS console and terminate it.  
[https://www.youtube.com/watch?v=vroWAR4PpKs&list=PLZrz\\_9YINRPT1F\\_V\\_RCTa-xcGVZQGC-QJ](https://www.youtube.com/watch?v=vroWAR4PpKs&list=PLZrz_9YINRPT1F_V_RCTa-xcGVZQGC-QJ)

Day2 : ETA  
Start building the CF for the same VPC.  
Mostly focus on VPC + Anything on the KaliLinux . We might get KT.

Pranav:  
CF for SG, EC2 and RDS , ALB, ASG.

Objective: These templates needs to talk each other will build a WP site.

<https://febatech.sharepoint.com/:b:/s/FEBATechnologies/EckrSMMFv9JMuhoZjxJRYV0B8Jbpm088qIEyxjVt5rinfA?e=xSVc8K>