### **SOP for AWS EKS Cluster Role Management**

| **Step** | **Description** | **Actions** | **Notes** |
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| 1. | **Service Ticket Raised:** | - Initiate a service ticket in ServiceNow or Jira for creating an AWS EKS cluster role. |  |
| 2. | **SCM Branch Creation:** | - Create an SCM branch to manage Terraform configurations for the EKS cluster role. |  |
| 3. | **Terraform Configuration:** | - Write Terraform code to create the AWS EKS cluster role. - Commit the Terraform code to the SCM branch. | Code should be written without dependencies on other resources. |
| 4. | **Service Ticket Approval:** | - The service ticket is approved by the appropriate authorities. |  |
| 5. | **SCM Branch Merged:** | - Merge the SCM branch containing Terraform code into the main branch. |  |
| 6. | **Terraform Apply - Create:** | - Execute terraform apply to create the AWS EKS cluster role. | Triggered via pipeline |
| 7. | **Cluster Role in Use:** | - Monitor the usage of the EKS cluster role to ensure proper functionality. |  |
| 8. | **Service Ticket for Deletion Raised:** | - Initiate a service ticket to delete the AWS EKS cluster role. | Eg: Jira |
| 9. | **SCM Branch Creation - Deletion:** | - Create an SCM branch to manage Terraform configurations for the EKS cluster role deletion. |  |
| 10. | **Terraform Configuration - Deletion:** | - Write Terraform code to delete the AWS EKS cluster role. <br> - Commit the Terraform code to the SCM branch. |  |
| 11. | **Service Ticket Approval - Deletion:** | - The service ticket for deletion is approved by the appropriate authorities. |  |
| 12. | **SCM Branch Merged - Deletion:** | - Merge the SCM branch containing Terraform code for deletion into the main branch. |  |
| 13. | **Terraform Apply - Delete:** | - Execute terraform destroy to delete the AWS EKS cluster role. | Should be automated on merge. |
| 14. | **Clean-Up Verification:** | - Verify that the AWS EKS cluster role has been successfully deleted. |  |
| 15. | **SCM Branch Cleanup:** | - Delete the SCM branch used for the deletion Terraform configuration. |  |