Here’s how the **Cluster Overview** section would look as a table:

**Cluster Overview Table Example**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Cluster Name** |  |
| **Cluster Region** |  |
| **Cluster Version** |  |
| **VPC ID** |  |
| **Subnets** |  |
| **Public Subnets** |  |
| **Private Subnets** |  |
| **Cluster Creation Date** |  |
| **Primary Contact for Cluster** |  |

**Complete Template with Tables for Each Section**

Here’s an example of how you can convert each section into tables for better structure and organization:

**1. Cluster Overview**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Cluster Name** |  |
| **Cluster Region** |  |
| **Cluster Version** |  |
| **VPC ID** |  |
| **Subnets** |  |
| **Public Subnets** |  |
| **Private Subnets** |  |
| **Cluster Creation Date** |  |
| **Primary Contact for Cluster** |  |

**2. Nodes and Compute Resources**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Number of Nodes** |  |
| **Node Type (EC2, Fargate, etc.)** |  |
| **Instance Type** |  |
| **AMI Used** |  |
| **Auto-scaling Configurations** | Min: | Max: | Desired: |
| **Worker Node Groups** |  |
| **Node Group Names** |  |
| **Scaling Policies** |  |
| **GPU/Other Special Node Types** |  |

**3. Networking**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Cluster Networking CNI Version** |  |
| **Networking Plugins** | (e.g., Calico, Cilium) |
| **Service CIDR** |  |
| **Pod CIDR** |  |
| **NAT Gateway Configuration** |  |
| **Load Balancer Configurations** |  |
| **ALBs/NLBs in use** |  |
| **Ingress Configurations** | Controller: | SSL/TLS Configurations: |

**4. Security & Access Control**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **IAM Roles** | Cluster Role: | Node Roles: | Additional Roles: |
| **Kubernetes RBAC Configurations** | Admin Groups: | Service Accounts: |
| **Security Groups** | Nodes: | Control Plane: |
| **Vulnerability Scanning** | Tools Used (e.g., Aqua, Falco): |
| **Encryption at Rest** | KMS Keys: |

**5. Storage**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Persistent Volume Claims (PVCs)** |  |
| **Attached Persistent Volumes** | (EBS, EFS, etc.) |
| **Storage Classes in Use** |  |
| **Data Retention Policies** | Backup Strategies: | Retention Period: |

**6. Monitoring & Logging**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Monitoring Tools** | (CloudWatch, Prometheus, Grafana, etc.) |
| **Dashboards** | URLs: | Key Metrics Tracked: (CPU, Memory, etc.) |
| **Logging Tools** | (CloudWatch, Fluentd, etc.) |
| **Log Retention Policies** |  |

**7. Workloads**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Namespaces** | Purpose of each namespace: |
| **Critical Deployments** | Replicas: | Pod Types: |
| **CronJobs/Jobs** | Scheduled Jobs: | Backup/Restore Jobs: |
| **HPA (Horizontal Pod Autoscaling)** | Min: | Max: | Metrics: |
| **Ingress Services** | URLs: | Certificates: |
| **Architecture Diagrams** | Attach or link architecture diagrams. |

**8. Add-ons and Integrations**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Kubernetes Add-ons** | CoreDNS Version: | Kube-proxy Version: |
| **Third-party Integrations** | ArgoCD, Helm, Jenkins, Keycloak, etc. |
| **Links to Add-on Documentation** |  |

**9. Backups & Disaster Recovery**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Backup Strategy** | Frequency: | Retention: | Tool: |
| **Disaster Recovery Plan** | Key Contacts: | Failover/Recovery Procedures: |

**10. Current Issues and Risks**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Known Issues** | Open Bugs: | Pending Upgrades: |
| **Technical Debt** | Areas for improvement: |
| **Monitoring Alerts** | Active Alerts: Severity: |

**11. Maintenance and Support Procedures**

|  |  |
| --- | --- |
| **Field** | **Details** |
| **Regular Maintenance Tasks** | EKS Upgrades: | Node Group Updates: | Patches: |
| **Support Escalation Procedures** | Key Contacts: | Slack/Phone: |
| **Change Management Process** | Approval Requirements: | Maintenance Windows: |