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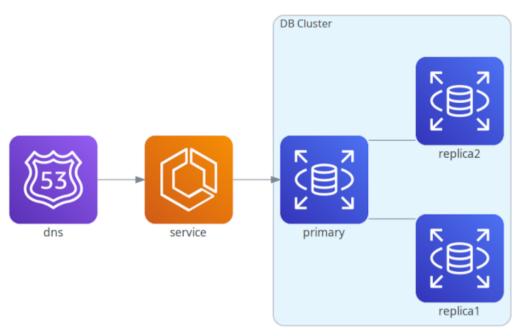
Clusters

Cluster allows you to group (or cluster) nodes in an isolated group.

Basic

Cluster represents a local cluster context.

You can create a cluster context using the Cluster class. You can also connect the nodes in a cluster to other nodes outside a cluster.



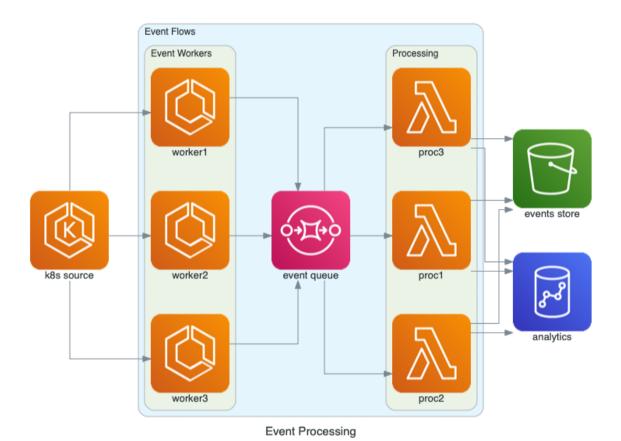
Simple Web Service with DB Cluster

Nested Clusters

Nested clustering is also possible:

```
from diagrams import Cluster, Diagram
from diagrams.aws.compute import ECS, EKS, Lambda
from diagrams.aws.database import Redshift
from diagrams.aws.integration import SQS
from diagrams.aws.storage import S3
with Diagram("Event Processing", show=False):
    source = EKS("k8s source")
    with Cluster("Event Flows"):
        with Cluster("Event Workers"):
            workers = [ECS("worker1"),
                       ECS("worker2"),
                       ECS("worker3")1
        queue = SQS("event queue")
        with Cluster("Processing"):
            handlers = [Lambda("proc1"),
                        Lambda("proc2"),
                        Lambda("proc3")]
    store = S3("events store")
    dw = Redshift("analytics")
```

source >> workers >> queue >> handlers
handlers >> store
handlers >> dw



There is no depth limit to nesting. Feel free to create nested clusters as deep as you want.

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