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Orchestration Server Deployment Guide

Deployment Models

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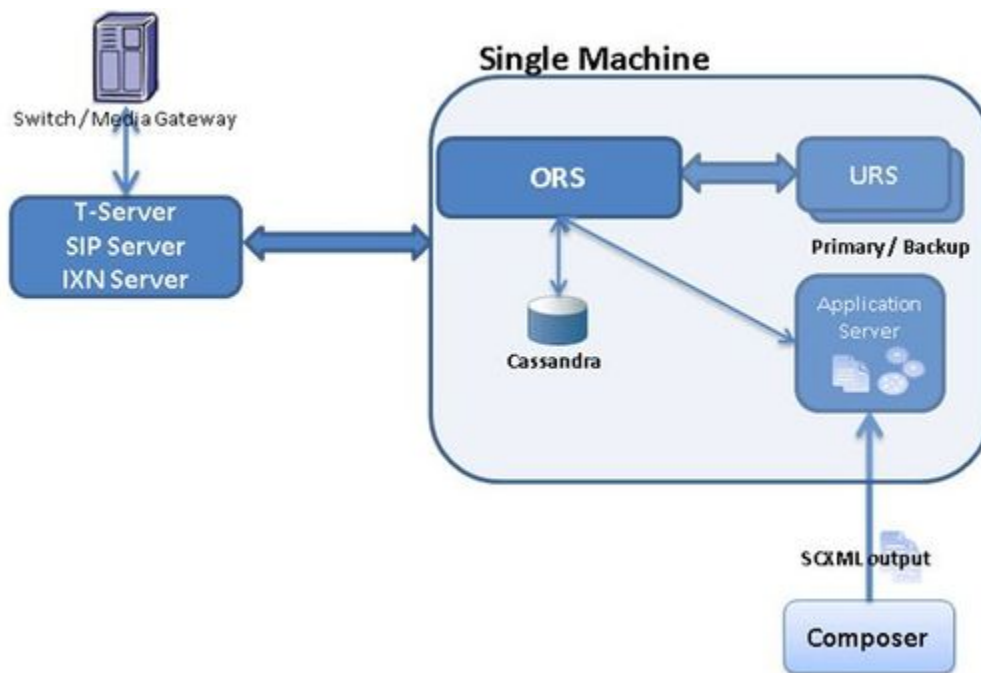
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Deployment Models

The following section provides examples of various ORS 8.1.3 and later deployment models and provides an overview of behavior, for single site, single site with redundancy, multi-site, and a single Cassandra cluster across sites:

Single-Site Deployment Model

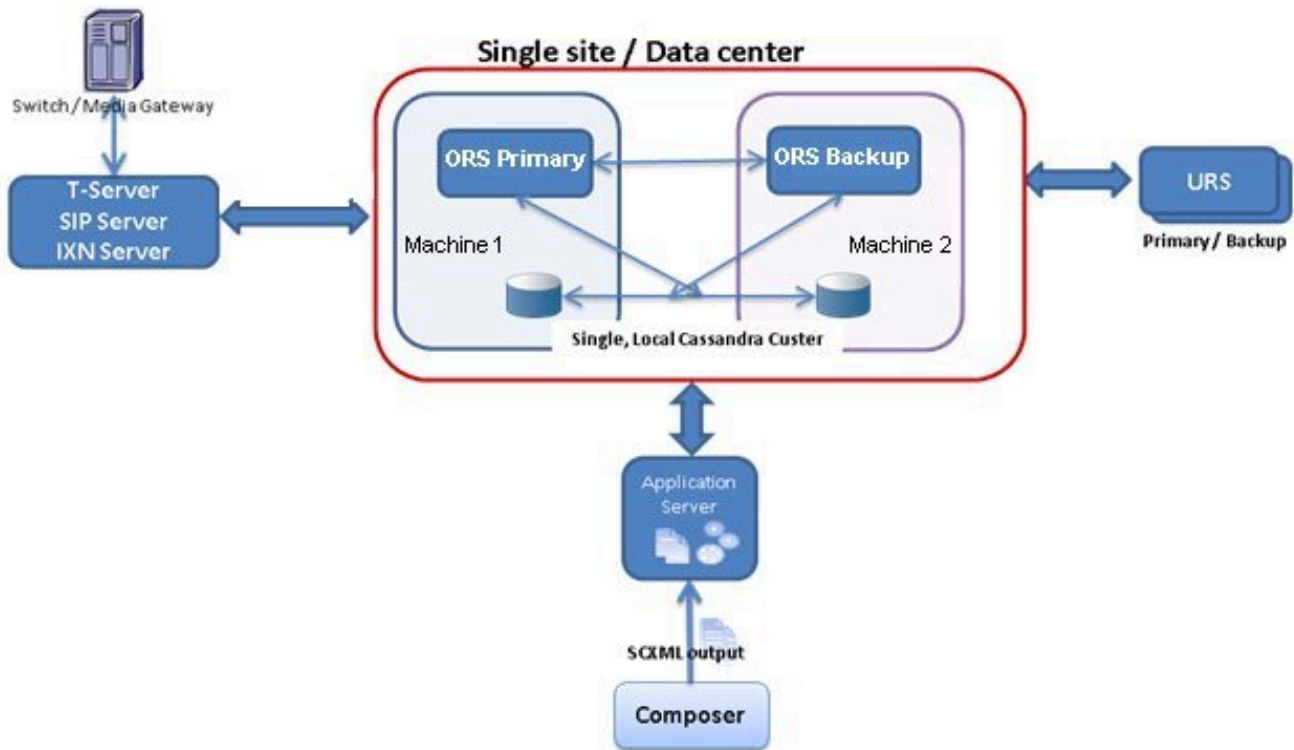
The single-site deployment example assumes that all components are planned to reside within a single box. This deployment does not provide high availability, redundancy, or failure handling. The figure below shows a single site deployment example.



Single-Site with Redundancy Deployment Model

The single site architecture with software redundancy across multiple boxes represents a standard deployment for enterprises which do not have the need or ability to provide geo-redundancy. In this deployment, two or more instances of ORS exist in a single cluster, on the same LAN.

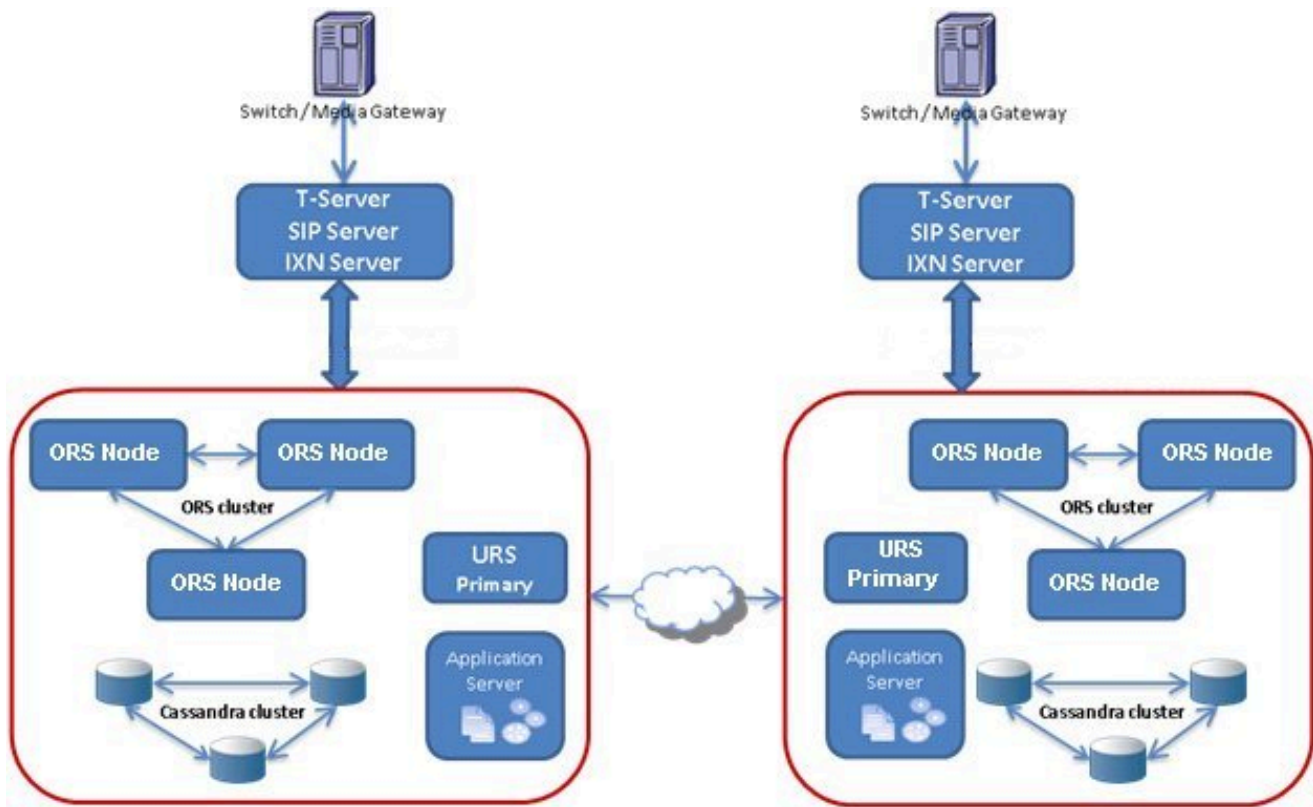
The figure below shows a single site with redundancy deployment example.



Multiple-Site Deployment Model

In a logically separated environment such as this with multiple T-Servers, each distinct T-Server is connected to its own ORS cluster. Note that in this environment, each ORS cluster has its own private Cassandra instance.

The figure below shows a multiple-site deployment example.



Single Cassandra Cluster across Multiple ORS Data Centers Deployment Model

The figure below shows a Single Cassandra Cluster across Multiple-site Deployment example.

