


网络组件

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(intro-basic-networking.html)

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(intro-overlay-protocols.html)



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开关

交换机是多输入多输出（MIMO）设备，可使数据包从一个节点传输到另一个节点。交换机连接属于同一个第2层网络的主机。交换机可以将在一个端口（输入）上接收到的数据包转发到另一个端口（输出），以便它们到达所需的目标节点。交换机在网络模型中的第2层操作。他们根据包头中的目的以太网地址转发流量。

路由器

路由器是使数据包能够从一个三层网络传输到另一个三层网络的特殊设备。路由器可以在不直接相互连接的不同三层网络上的两个节点之间进行通信。路由器在网络模型中的第3层操作。它们根据数据包头中的目标IP地址路由流量。

防火墙

防火墙用于管理进出主机或网络的流量。防火墙既可以是连接两个网络的专用设备，也可以是在操作系统上实现的基于软件的过滤机制。防火墙用于根据主机上定义的规则将流量限制到主机。他们可以根据多个条件过滤数据包，例如源IP地址，目标IP地址，端口号，连接状态等。它主要用于保护主机免受未经授权的访问和恶意攻击。基于Linux的操作系统通过实施防火墙*iptables*。

负载均衡器


负载均衡器可以是基于软件或基于硬件的设备，可以使流量均匀分布在多个服务器上。通过将流量分布到多个服务器上，可避免单个服务器超载，从而防止产品出现单点故障。这进一步提高了服务器的性能，网络吞吐量和响应时间。负载均衡器通常用于3层架构。在此模型中，负载均衡器会从前端Web服务器接收请求，然后将请求转发给其中一个可用后端数据库服务器以进行处理。数据库服务器的响应会传回Web服务器以供进一步处理。

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 - 介绍 (intro.html)
 - 组态 (config.html)
 - 部署示例 (deploy.html)
 - 操作 (ops.html)
 - 移民 (migration.html)
 - 杂 (misc.html)
 - 存档的内容 (archives/index.html)
- 中子配置选项 (../configuration/index.html)
- 命令行界面参考 (../cli/index.html)
- 中子特征分类 (../feature_classification/index.html)
- 贡献者指南 (../contributor/index.html)

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- 有助于 (<http://docs.openstack.org/infra/manual/developers.html>)

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- 入门 (<http://openstack.org/software/start/>)
- API文档 (<http://developer.openstack.org>)
- 维基 (<https://wiki.openstack.org>)

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