

# 网络服务概述

« (../overview.html) » (../concepts.html) 🐛 (https://bugs.launchpad.net/neutron/+filebug?field.title=Networking%20service%20overview%20in%20Neutron&field.comment=%0A%0A%0AThis bug tracker is for errors with the documentation, use the following as a template and remove or add fields as you see fit. Convert [ ] into [x] to check boxes:%0A%0A- [ ] This doc is inaccurate in this way: \_\_\_\_%0A- [ ] This is a doc addition request.%0A- [ ] I have a fix to the document that I can paste below including example: input and output. %0A%0AIf you have a troubleshooting or support issue, use the following resources:%0A%0A - Ask OpenStack: http://ask.openstack.org%0A - The mailing list: http://lists.openstack.org%0A - IRC: 'openstack' channel on Freenode%0A%0A-----%0ARelease:%2012.0.1.dev11%20on%202018-03-07%2021:05%0ASHA:%2043df2709acbdce86686a40b75fd34e96880427d0%0ASource:%20https://git.openstack.org/cgit/openstack/neutron/tree/doc/source/install/common/get-started-networking.rst%0AURL: https://docs.openstack.org/neutron/queens/install/common/get-started-networking.html&field.tags=doc)

更新日期：2018-03-07 21:05

OpenStack Networking ( neutron ) 允许您创建由其他OpenStack服务管理的接口设备并将其连接到网络。可以实现插件以适应不同的网络设备和软件，为OpenStack架构和部署提供灵活性。

它包含以下组件：

### 中子服务器

接受API请求并将其路由到适当的OpenStack Networking插件以便采取行动。

### OpenStack Networking插件和代理

插拔端口，创建网络或子网，并提供IP地址。这些插件和代理根据特定云中使用的供应商和技术而有所不同。OpenStack Networking带有用于思科虚拟和物理交换机，NEC OpenFlow产品，Open vSwitch，Linux桥接和VMware NSX产品的插件和代理。

通用代理是L3（第3层），DHCP（动态主机IP寻址）和插件代理。

### 消息队列

大多数OpenStack Networking安装用于在中子服务器和各种代理之间路由信息。还充当存储特定插件的网络状态的数据库。

OpenStack Networking主要与OpenStack Compute进行交互，为其实例提供网络和连接。

« (../overview.html) » (../concepts.html) 🐛 (https://bugs.launchpad.net/neutron/+filebug?field.title=Networking%20service%20overview%20in%20Neutron&field.comment=%0A%0A%0AThis bug tracker is for errors with the documentation, use the following as a template and remove or add fields as you see fit. Convert [ ] into [x] to check boxes:%0A%0A- [ ] This doc is inaccurate in this way: \_\_\_\_%0A- [ ] This is a doc addition request.%0A- [ ] I have a fix to the document that I can paste below including example: input and output. %0A%0AIf you have a troubleshooting or support issue, use the following resources:%0A%0A - Ask OpenStack: http://ask.openstack.org%0A - The mailing list: http://lists.openstack.org%0A - IRC: 'openstack' channel on Freenode%0A%0A-----%0ARelease:%2012.0.1.dev11%20on%202018-03-07%2021:05%0ASHA:%2043df2709acbdce86686a40b75fd34e96880427d0%0ASource:%20https://git.openstack.org/cgit/openstack/neutron/tree/doc/source/install/commorstarted-networking.rst%0AURL: https://docs.openstack.org/neutron/queens/install/common/get-started-networking.html&field.tags=doc)

更新日期：2018-03-07 21:05



(https://creativecommons.org/licenses/by/3.0/) 除另有说明外，本文档受 [Creative Commons Attribution 3.0许可的授权](https://creativecommons.org/licenses/by/3.0/) (https://creativecommons.org/licenses/by/3.0/)。查看所有 [OpenStack法律文件](http://www.openstack.org/legal) (http://www.openstack.org/legal)。

🐛 发现错误？报告错误 (HTTPS://BUGS.LAUNCHPAD.NET/NEUTRON/+FILEBUG?FIELD.TITLE=NETWORKING%20SERVICE%20OVERVIEW%20IN%20NEUTRON&FIELD.COMMENT=%0A%0A%0ATHIS BUG TRACKER IS FOR ERRORS WITH THE DOCUMENTATION. USE THE FOLLOWING AS A TEMPLATE AND REMOVE OR ADD FIELDS AS YOU SEE FIT. CONVERT [ ] INTO [X] TO CHECK BOXES:%0A%0A- [ ] THIS DOC IS INACCURATE IN THIS WAY: \_\_\_\_%0A- [ ] THIS IS A DOC ADDITION REQUEST.%0A- [ ] I HAVE A FIX TO THE DOCUMENT THAT I CAN PASTE BELOW INCLUDING EXAMPLE: INPUT AND OUTPUT. %0A%0AIF YOU HAVE A TROUBLESHOOTING OR SUPPORT ISSUE, USE THE FOLLOWING RESOURCES:%0A%0A - ASK OPENSTACK: HTTP://ASK.OPENSTACK.ORG%0A - THE MAILING LIST: HTTP://LISTS.OPENSTACK.ORG%0A - IRC: 'OPENSTACK' CHANNEL ON FREENODE%0A%0A-----%0ARELEASE:%2012.0.1.DEV11%20ON%202018-03-07%2021:05%0ASHA:%2043DF2709ACBDCE86686A40B75FD34E96880427D0%0ASOURCE:%20HTTPS://GIT.OPENSTACK.ORG/CGIT/OPENSTACK/NEUTRON/TREE/DOC/SOURCE/INSTALL/COMMON/GET-STARTED-NETWORKING.RST%0AURL: HTTPS://DOCS.OPENSTACK.ORG/NEUTRON/QUEENS/INSTALL/COMMON/GET-STARTED-NETWORKING.HTML&FIELD.TAGS=DOC)

❓ 问题吗？(HTTP://ASK.OPENSTACK.ORG)

⌕

OpenStack文档 ▾

Neutron 12.0.1

(../index.html)

安装指南 (../index.html)

概观 (../overview.html)

网络服务概述

网络（中子）概念 (../concepts.html)

安装并配置openSUSE和SUSE Linux Enterprise (../install-obs.html)

为红帽企业Linux和CentOS安装和配置 (../install-rdo.html)

为Ubuntu安装和配置 (../install-ubuntu.html)

- OpenStack网络指南 (../admin/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)
- 

OpenStack的

- 项目 (<http://openstack.org/projects/>)
- OpenStack安全 (<http://openstack.org/projects/openstack-security/>)
- 常见问题 (<http://openstack.org/projects/openstack-faq/>)
- 博客 (<http://openstack.org/blog/>)
- 新闻 (<http://openstack.org/news/>)

社区

- 用户组 (<http://openstack.org/community/>)
- 活动 (<http://openstack.org/community/events/>)
- 工作 (<http://openstack.org/community/jobs/>)
- 公司 (<http://openstack.org/foundation/companies/>)
- 有助于 (<http://docs.openstack.org/infra/manual/developers.html>)

文档

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

品牌与法律

- 标志和指南 (<http://openstack.org/brand/>)
- 商标政策 (<http://openstack.org/brand/openstack-trademark-policy/>)
- 隐私政策 (<http://openstack.org/privacy/>)
- OpenStack CLA ([https://wiki.openstack.org/wiki/How\\_To\\_Contribute#Contributor\\_License\\_Agreement](https://wiki.openstack.org/wiki/How_To_Contribute#Contributor_License_Agreement))

保持联系

(<https://twitter.com/stackforge>) (<https://www.facebook.com/openstackcommunity/>) (<https://www.youtube.com/user/OpenStackFoundation>)

OpenStack项目是在Apache 2.0许可 (<http://www.apache.org/licenses/LICENSE-2.0>)下提供的。Openstack.org由 [Rackspace云计算](http://rackspace.com)提供支持 (<http://rackspace.com>)。