Eureka is a REST based service that is primarily used in the AWS cloud for locating services for the purpose of load balancing and failover of middle-tier servers.

Eureka是一种基于REST的服务，主要用于AWS云，用来定位服务，以实现中间层服务器的负载平衡和故障转移。

At Netflix, Eureka is used for the following purposes apart from playing a critical part in mid-tier load balancing.

* For aiding Netflix Asgard - an open source service which makes cloud deployments easier, in

1. Fast rollback of versions in case of problems avoiding the re-launch of 100's of instances which could take a long time.
2. In rolling pushes, for avoiding propagation of a new version to all instances in case of problems.

* For our cassandra deployments to take instances out of traffic for maintenance.
* For our memcached caching services to identify the list of nodes in the ring.
* For carrying other additional application specific metadata about services for various other reasons.

在Netflix，除了在中间层负载平衡中起关键作用之外，Eureka还有以下作用：

* 帮助Netflix Asgard（一种开源服务），可以更轻松地实现云部署

1. 在出现问题的情况下快速回滚版本，避免重新启动100个实例时可能需要花费很长时间。
2. 在回滚推送中，避免将出现问题的新版本传播到所有实例。

* 对于cassandra部署，将实例从流量中取出进行维护
* 对于我们的memcached缓存服务来识别环中的节点列表。
* 由于各种其他原因而携带有关服务的其他应用程序特定元数据。

The build requires java8 because of some required libraries that are java8 (servo), but the source and target compatibility are still set to 1.7.

构建需要java8，因为一些必需的库是java8，但源和目标兼容性仍设置为1.7。

Eureka 1.x is a core part of Netflix's service discovery system and is still an active project.

Eureka 1.x是Netflix服务发现系统的核心部分，仍然是一个活跃的项目。

The existing open source work on eureka 2.0 is discontinued. The code base and artifacts that were released as part of the existing repository of work on the 2.x branch is considered use at your own risk.

关于eureka 2.0的现有开源工作已经停止。 作为2.x分支上现有工作存储库的一部分发布的代码库和工件被视为使用，风险自负。

## Eureka at a glance（Eureka一览）