端口列表说明：

|  |  |
| --- | --- |
| DNS: The DNS server (TCP and UDP) | 8600 |
| HTTP: The HTTP API (TCP Only) | 8500 |
| HTTPS: The HTTPs API | disabled (8501)\* |
| gRPC: The gRPC API | disabled (8502)\* |
| LAN Serf: The Serf LAN port (TCP and UDP) | 8301 |
| Wan Serf: The Serf WAN port TCP and UDP) | 8302 |
| server: Server RPC address (TCP Only) | 8300 |
| Sidecar Proxy Min: Inclusive min port number to use for automatically assigned sidecar service registrations. | 21000 |
| Sidecar Proxy Max: Inclusive max port number to use for automatically assigned sidecar service registrations. | 21255 |

\*For HTTPS and gRPC the ports specified in the table are recommendations.

[»](https://www.consul.io/docs/install/ports.html" \l "port-information)Port Information

**DNS Interface** Used to resolve DNS queries.

**HTTP API** This is used by clients to talk to the HTTP API.

**HTTPS API** (Optional) Is off by default, but port 8501 is a convention used by various tools as the default.

**gRPC API** (Optional). Currently gRPC is only used to expose the xDS API to Envoy proxies. It is off by default, but port 8502 is a convention used by various tools as the default. Defaults to 8502 in -dev mode.

**Serf LAN** This is used to handle gossip in the LAN. Required by all agents.

**Serf WAN** This is used by servers to gossip over the WAN, to other servers. As of Consul 0.8 the WAN join flooding feature requires the Serf WAN port (TCP/UDP) to be listening on both WAN and LAN interfaces. See also: [Consul 0.8.0 CHANGELOG](https://github.com/hashicorp/consul/blob/master/CHANGELOG.md#080-april-5-2017) and [GH-3058](https://github.com/hashicorp/consul/issues/3058)

**Server RPC** This is used by servers to handle incoming requests from other agents.

Note, the default ports can be changed in the [agent configuration](https://www.consul.io/docs/agent/options.html#ports).

## 术语

## Agent ，Client ，Server ，Datacenter ，Consensus，Gossip ，LAN Gossip，WAN Gossip，RPC

## 其他相关：EC2  Elastic Compute Cloud 亚马逊弹性计算云