

```
# Deploying ActiveGate

> **Series:** ONBRD | **Notebook:** 3 of 10 | **Created:** December 2025

## Your Network Gateway to Dynatrace

ActiveGate is a lightweight component that routes traffic between your infrastructure and Dynatrace. This notebook covers when you need ActiveGate, how many to deploy, where to place them, and installation steps – including comprehensive Kubernetes deployment options.

---

## Table of Contents

1. What is ActiveGate?
2. When Do You Need ActiveGate?
3. How Many ActiveGates? (Hardware Requirements)
4. Where to Deploy?
5. Generating Tokens
6. Installation Methods (Linux/Windows/Container)
6a. Kubernetes Deployment (Detailed)
7. Verifying Deployment
8. Troubleshooting
9. Next Steps

---

## Prerequisites

- Admin access to Dynatrace environment
- Network architecture diagram (know your zones)
- Server for ActiveGate (Linux, Windows, or Kubernetes cluster)
- Outbound HTTPS (443) to Dynatrace SaaS

## 1. What is ActiveGate?

ActiveGate is a proxy and routing component that connects your environment to Dynatrace.



| Component              | Purpose                                                       |
|------------------------|---------------------------------------------------------------|
| Environment ActiveGate | Routes OneAgent traffic, runs extensions, executes synthetics |
| Cluster ActiveGate     | Dynatrace Managed only – cluster communication                |



> **Note:** This notebook covers Environment ActiveGate for Dynatrace SaaS.
```

[ActiveGate Architecture]

(



```

hdXRvIiBtYXJrZXJVbml0cz0ic3Ryb2tlV2lkDGiPgogICAgICA8cGF0aCBkPSJNMCwwIEwwLDYg
TDksMyB6IiBmaWxsPSIjMTRmMTk1Ii8+CiAgICA8L21hcmtlcj4KICAgIDxtYXJrZXIgaWQ9ImFyc
m93UHVycGxlIiBtYXJrZXJXaWR0aD0iMTAiIG1hcmtlckhlaWdodD0iMTAiIHJlZlg9IjkiIHJlZl
k9IjMiIG9yaWVudD0iYXV0byIgbWFya2VyVW5pdHM9InN0cm9rZVdpZHRoIj4KICAgICAgPHBhdGg
gZD0iTAsMCBMMCw2IEw5LDMgeiGzmlsbD0iIzhinWNmNiIvPgogICAgPC9tYXJrZXi+CiAgPC9k
ZWZzPgoKICA8IS0tIEzlZ2VuZCAzLT4KICA8cmVjdCB4PSI00DAiIHk9IjI0MCigd2lkDg9IjIwM
CIgaGVpZ2h0PSIxMzAiIHJ4PSI2IiBmaWxsPSIjMWUyOTNiIiBzdHJva2U9IiMzMzQxNTUiIHn0cm
9rZS13aWR0aD0iMSIvPgogIDx0ZXh0IHg9IjU4MCigeT0iMjY1IiBmaWxsPSIj0TRhM2I4IiBmb25
0LWZhbWlseT0ic3lzdGVtLXvpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjExIiBmb250LXdlaWdo
dD0iNjAwIiB0ZXh0LWFuY2hvcj0ibWlkZGxlIj5MZwdlbmQ8L3RleHQ+CgogIDxyZWN0IHg9IjQ5N
SIgeT0iMjgwIiB3aWR0aD0iMTIiIGhlaWdodD0iMTIiIHJ4PSIyIiBmaWxsPSJ1cmwoI2FnUHVycG
xIKSiVPgogIDx0ZXh0IHg9IjUxNSIgeT0iMjkwIiBmaWxsPSIjZTJlOGYwIiBmb250LWZhbWlseT0
ic3lzdGVtLXvpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjEwIj5BY3RpdmVHYXRlPC90ZXh0PgoK
ICA8cmVjdCB4PSI00TUiiHk9IjMwMCigd2lkDg9IjEyIiBoZWlnahQ9IjEyIiByeD0iMiIgZmlsb
D0idXjsKCNhZ0JsdWUpIi8+CiAgPHRleHQgeD0iNTE1IiB5PSIzMTAiIGZpbGw9IiNlMmU4ZjAiIG
ZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiPk9uZUFnZw5
0PC90ZXh0PgoKICA8bGluZSB4MT0iNDk1IiB5MT0iMzI2IiB4Mj0iNTA3IiB5Mj0iMzI2IiBzdHJv
a2U9IiMxNGYx0TUiiHn0cm9rZS13aWR0aD0iMiIvPgogIDx0ZXh0IHg9IjUxNSIgeT0iMzMwIiBma
WxsPSIjZTJlOGYwIiBmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYW5zLXNlcmlmIiBmb250LXNpem
U9IjEwIj5IVFRQuyAoNDQzKTwvdGV4d4KCiAgPGxpbmUgeDE9IjQ5NSIgeTE9IjM0NiIgeDI9IjU
wNyIgeTI9IjM0NiIgc3Ryb2tlPSIjNjBhNWZhIiBzdHJva2Utd2lkDg9IjIiLz4KICA8dGV4dCB4
PSI1MTuiIHk9IjM1MCigZmlsbD0iI2UyZThmMCigZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fuc
y1zZXJpZiIgZm9udC1zaXplPSIxMCI+QUcgUHJvdG9jb2wgKDK50TkpcC90ZXh0Pgo8L3N2Zz4K)

```

### ### ActiveGate Capabilities

Capability	Description
**Traffic Routing**	Proxies OneAgent data to Dynatrace
**Extensions 2.0**	Runs Python-based extensions locally
**Synthetic Monitoring**	Private synthetic locations
**Cloud Integrations**	AWS, Azure, GCP metric collection
**Kubernetes API**	Cluster monitoring via API
**Log Ingest**	Generic log ingest endpoint

### ## 2. When Do You Need ActiveGate?

### ### Required Scenarios

Scenario	Why ActiveGate is Required
**Network-restricted hosts**	OneAgents can't reach internet directly
**Private synthetic monitors**	Test internal applications
**Extensions 2.0**	Custom data sources (SNMP, databases, etc.)
**AWS/Azure/GCP monitoring**	Pull cloud metrics via API
**VMware monitoring**	vCenter integration
**Kubernetes full-stack**	Cluster API access for events, metrics

```
### Optional but Recommended
```

Scenario	Benefit
**Large deployments (500+ hosts)**	Reduces outbound connections
**Multiple network zones**	Centralized routing per zone
**Bandwidth optimization**	Compresses and batches data
**Security compliance**	Single egress point for audit

```
### Decision Tree
```

```
![ActiveGate Decision Tree]
(
ciIHZpZXdBz3g9IjAgMCA3MDAgNDUwIj4KICA8ZGVmcz4KICAgIDxsaw5LYXJHcmFkaWVudCBpZD0
iZHRCZyIgeDE9IjAlIIb5MT0iMCUiIHgypSIxMDAIIiB5mj0iMTAwJSI+CiAgICAgIDxdG9wIG9m
ZnNldD0iMCUiIH0eWxlPSJzdG9wLWNvbG9y0iMwZjE3MmEiLz4KICAgICAgPHN0b3Agb2Zmc2V0P
SIxMDAIIiBzdHlsZT0ic3RvcC1jb2xvcjojMWUy0TNiIi8+CiAgICA8L2xpbmVhckdyYWRpZW50Pg
ogICAgPGxpbmVhckdyYWRpZW50IGlkPSJkdFF1ZXN0aw9uIiB4MT0iMCUiIHkxPSIwJSIgeDI9IjA
lIIiB5mj0iMTAwJSI+CiAgICAgIDxdG9wIG9mZnNldD0iMCUiIH0eWxlPSJzdG9wLWNvbG9y0iNm
NTllMGIIiLz4KICAgICAgPHN0b3Agb2Zmc2V0PSIxMDAIIiBzdHlsZT0ic3RvcC1jb2xvcjojZdk3N
zA2IIi8+CiAgICA8L2xpbmVhckdyYWRpZW50PgogICAgPGxpbmVhckdyYWRpZW50IGlkPSJkdFJlcX
VpcmVkIiB4MT0iMCUiIHkxPSIwJSIgeDI9IjAlIIiB5mj0iMTAwJSI+CiAgICAgIDxdG9wIG9mZnN
ldD0iMCUiIH0eWxlPSJzdG9wLWNvbG9y0iNlZjQ0NDQiLz4KICAgICAgPHN0b3Agb2Zmc2V0PSIx
MDAIIiBzdHlsZT0ic3RvcC1jb2xvcjojZGMyNjI2IIi8+CiAgICA8L2xpbmVhckdyYWRpZW50PgogI
CAgPGxpbmVhckdyYWRpZW50IGlkPSJkdE9wdGlvbmFsIiB4MT0iMCUiIHkxPSIwJSIgeDI9IjAlII
B5mj0iMTAwJSI+CiAgICAgIDxdG9wIG9mZnNldD0iMCUiIH0eWxlPSJzdG9wLWNvbG9y0iMyMmM
1NWUiLz4KICAgICAgPHN0b3Agb2Zmc2V0PSIxMDAIIiBzdHlsZT0ic3RvcC1jb2xvcjojMTZhMzRh
Ii8+CiAgICA8L2xpbmVhckdyYWRpZW50PgogICAgPGxpbmVhckdyYWRpZW50IGlkPSJkdFJlY29tb
wVuZGVkIiB4MT0iMCUiIHkxPSIwJSIgeDI9IjAlIIiB5mj0iMTAwJSI+CiAgICAgIDxdG9wIG9mZn
NldD0iMCUiIH0eWxlPSJzdG9wLWNvbG9y0iMzYjgyZjYiLz4KICAgICAgPHN0b3Agb2Zmc2V0PSIx
MDAIIiBzdHlsZT0ic3RvcC1jb2xvcjojMjU2M2ViIi8+CiAgICA8L2xpbmVhckdyYWRpZW50PgogI
CAgPGZpbHRlcIiBpZD0iZHTaGFkb3ciIHg9Ii0yMCUiIHdpZHRoPSIxNDALIIiBoZ
WlnaHQ9IjE0MCUiPgogICAgICA8ZmVEcm9wU2hhZG93IGR4PSIxIiBkeT0iMyIgc3RkRGV2aWF0aW
9uPSI0IiBmbG9vZC1vcGFjaXR5PSIxLjMiLz4KICAgIDwvZmlsdGVyPgogIDwvZGVmcz4KCiAgPCE
tLSBCYWNrZ3JvdW5kIC0tPgogIDxyZwN0IHdpZHRoPSI3MDAiIGHlaWdodD0iINDUwIiBmaWxsPSJ1
cmwoI2R0QmcpiI8+CgogIDwhLS0gVG10bGUgLS0+CiAgPHRleH0geD0iMzUwIiB5PSIzMCiGZmlsb
D0iI2Y4ZmFmYyIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPS
IxOCiGZm9udC13ZwlnaHQ9IjYwMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+RG8gWW91IE5lZwQgQwN
0aXZlR2F0ZT88L3RleHQ+CgogIDwhLS0gUXVlc3Rpb24gMTogRGlyZwN0IEFjY2VzcyAtLT4KICA8
cG9seWdvbiBwb2IudHM9IjM1MCw1NSA0NTAsMTAwIDM1MCwxNDUgMjUwLDEwMCiGZmlsbD0idXjsK
CNkdFF1ZXN0aw9uKSIgZmlsdGVyPSJ1cmwoI2R0U2hhZG93KSIvPgogIDx0Zxh0IHg9IjM1MCiGeT
0i0TUiiIGZpbGw9IiMwZjE3MmEiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnnMtc2VyaWYiIGZ
vbnQtc2I6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIHRleH0tYw5jaG9yPSJtaWRkbGUIPkRpcmVj
dCBpbnRlc5ldDwvdGV4dD4KICA8dGV4dCB4PSIzNTAiIHg9IjEw0CIgZmlsbD0iIzBmMTcyYSIgZ
m9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGZm9udC13ZW
lnaHQ9IjYwMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+ZnJvbSBhbGwgaG9zdHM/PC90ZXh0PgoKICA
8IS0tIE5vIHBhdGggLSBSZXF1aXJlZCATLT4KICA8bGluZSB4MT0iMjUwIiB5MT0iMTAwIiB4Mj0i
```

MTIWIB5Mj0iMTAwIiBzdHJva2U9IiNlZjQ0NDQiIH0cm9rZS13aWR0aD0iMiIvPgogIDx0ZXh0I  
Hg9IjE4NSIgeT0i0TAiiGZpbGw9IiNmY2E1YTUiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHnhbn  
Mtc2VyaWYiIGZvbnQtc2l6ZT0iMTEiiGZvbnQtd2VpZ2h0PSI2MDAiPk5vPC90ZXh0PgogIDxyZWN  
0IHg9IjIwIiB5PSI3NSIgd2lkGg9IjEwMCiGaGVpZ2h0PSI1MCiGcng9IjYiIGZpbGw9InVybCgj  
ZHRSZXF1aXJlZCkiIGZpbHRlcj0idXjsKCNkdFNoYWRvdykiLz4KICA8dGV4dCB4PSI3MCiGeT0i0  
TgiIGZpbGw9IndoaXRlIIbmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYW5zLXnlcmlmIiBmb250LX  
NpemU9IjExIiBmb250LXdlaWdodD0iNzAwIiB0ZXh0LWFuY2hvcj0ibWlkZGx1Ij5SRVFVSVJFRDw  
vdGV4dD4KICA8dGV4dCB4PSI3MCiGeT0iMTEiIbmaWxsPSJyZ2JhKDI1NSwyNTUsMjU1LDau0Cki  
IGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIHRleHQtY  
W5jaG9yPSJtaWRkbGUipk5ldHdvcmsgUHJveHk8L3RleHQ+CgogIDwhLS0gWWVzIHBDGggLSBjb2  
50aw51ZSATLT4KICA8bGluzSB4MT0iNDUwIiB5MT0iMTAwIiB4Mj0iNTEwIiB5Mj0iMTAwIiBzdHJ  
va2U9IiMyMmM1NWUjIH0cm9rZS13aWR0aD0iMiIvPgogIDx0ZXh0IHg9IjQ4MCiGeT0i0TAiiGZp  
bGw9IiM4NmVmYWMiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6Z  
T0iMTEiiGZvbnQtd2VpZ2h0PSI2MDAiPllczwvdGV4dD4KCiAgPCEtLSBRdwVzdGvbaiAy0iBQcm  
l2YXR1IFN5bnRoZXRpYyAtLT4KICA8cG9seWdvbiBwb2ludHM9IjU5MCw1NSA2NjAsMTAwIDU5MCw  
xNDUgNTIwLDEwMCiGZmlsbD0idXjsKCNkdFF1ZXN0aW9uKSiGZmlsdGVyPSJ1cmwoI2R0U2hhZG93  
KSiVpgogIDx0ZXh0IHg9IjU5MCiGeT0i0TUiiGZpbGw9IiMwZjE3MmEiIGZvbnQtZmFtaWx5PSJze  
XN0ZW0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIHRleH  
QtYW5jaG9yPSJtaWRkbGUiplByaXzhGU8L3RleHQ+CiAgPHRleHQgeD0iNTkwIiB5PSIxMDgiIGZ  
pbGw9IiMwZjE3MmEiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6  
ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIHRleHQtYW5jaG9yPSJtaWRkbGUiplN5bnRoZXRpY3M/P  
C90ZXh0PgoKICA8IS0tIFllcyAtIFJlcXVpcmVkiC0tPgogIDxsaw5lIHgxPSI2NjAiiHkxPSIxMD  
AiIHgyPSI20DAiIHkyPSIxMDAiIH0cm9rZT0iI2VmNDQ0NCiGc3Ryb2t1LxdpZHRoPSIyIi8+Cia  
gPGxpbmUgeDE9IjY4MCiGeTE9IjEwMCiGeDI9IjY4MCiGeTI9IjE2MCiGc3Ryb2t1PSIjZWY0NDQ0  
IiBzdHJva2Utd2lkGg9IjIiLz4KICA8dGV4dCB4PSI2NzAiiHk9IjkwIiBmaWxsPSIjZmNhWE1I  
iBmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYW5zLXnlcmlmIiBmb250LXNpemU9IjEwIj5ZZXM8L3  
RleHQ+CiAgPHJlY3QgeD0iNjIwIiB5PSIxNjAiiHdpZHRoPSI3MCiGaGVpZ2h0PSI0MCiGcng9IjQ  
iIGZpbGw9InVybCgjZHRSZXF1aXJlZCkiIGZpbHRlcj0idXjsKCNkdFNoYWRvdykiLz4KICA8dGV4  
dCB4PSI2NTUiIHk9IjE4MyIgZmlsbD0id2hpGUiiGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHnhb  
nMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIHRleHQtYW5jaG9yPSJtaW  
RkbGUiplJFUVVJUKVEPC90ZXh0PgoKICA8IS0tIE5vIC0gY29udGludWUgLS0+CiAgPGxpbmUgeDE  
9IjU5MCiGeTE9IjE0NSIgeDI9IjU5MCiGeTI9IjE4MCiGc3Ryb2t1PSIjMjjNTVlIiBzdHJva2Ut  
d2lkGg9IjIiLz4KICA8dGV4dCB4PSI2MDAiIHk9IjE2NSIgZmlsbD0iIzg2ZWZhYIgZm9udC1my  
W1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCI+Tm88L3RleHQ+CgogID  
whLS0gUXVlc3Rpb24gMzogRXh0ZW5zaW9ucyAyLjAgLS0+CiAgPHBvbHlnb24gcG9pbnRzPSI10TA  
sMTgwIDY2MCwyMjAgNTkwLDI2MCA1MjAsMjIwIiBmaWxsPSJ1cmwoI2R0UXVlc3Rpb24pIiBmaWx0  
ZXi9InVybCgjZHRTaGFkb3cpIi8+CiAgPHRleHQgeD0iNTkwIiB5PSIxMTUiIGZpbGw9IiMwZjE3M  
mEiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbn  
Qtd2VpZ2h0PSI2MDAiIHRleHQtYW5jaG9yPSJtaWRkbGUipkV4dGVuc2lVbnM8L3RleHQ+CiAgPHR  
leHQgeD0iNTkwIiB5PSIxMjgiIGZpbGw9IiMwZjE3MmEiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWks  
IHnhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIHRleHQtYW5jaG9yP  
SJtaWRkbGUipjIuMD88L3RleHQ+CgogIDwhLS0gWWVzIC0gUmVxdWlyZWQgLS0+CiAgPGxpbmUgeD  
E9IjY2MCiGeTE9IjIyMCiGeDI9IjY4MCiGeTI9IjIyMCiGc3Ryb2t1PSIjZWY0NDQ0IiBzdHJva2U  
td2lkGg9IjIiLz4KICA8bGluZSB4MT0iNjgwIiB5MT0iMjIwIiB4Mj0iNjgwIiB5Mj0iMjMwIiBz  
dHJva2U9IiNlZjQ0NDQiIH0cm9rZS13aWR0aD0iMiIvPgogIDx0ZXh0IHg9IjY3MCiGeT0iMjEwI  
iBmaWxsPSIjZmNhWE1IiBmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYW5zLXnlcmlmIiBmb250LX  
NpemU9IjEwIj5ZZXM8L3RleHQ+CiAgPHJlY3QgeD0iNjIwIiB5PSIxMzAiIHdpZHRoPSI3MCiGaGV  
pZ2h0PSI0MCiGcng9IjQIIGZpbGw9InVybCgjZHRSZXF1aXJlZCkiIGZpbHRlcj0idXjsKCNkdFNo

YW RvdykiLz4KICA8dGV4dCB4PSI2NTUiIHk9IjI1MyIgZmlsbD0id2hp dGUiIGZvbnQtZmFtaWx5P SJzeXN0ZW0tdWksIH NhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIH RleHQtYw5jaG9yPSJtaWRkbGUiPlJFUVVJUkVEPC90ZXh0PgoKICA8IS0tIE5vIC0gY29udGludWU gLS0+CiAgPGxp bmUgeDE9IjU5MCiGeTE9IjI2MCiGeDI9IjU5MCiGeTI9IjI5NSIgc3Ryb2tlPSIj MjJjNTVlIiBzdHJva2Utd2lk dGg9IjIiLz4KICA8dGV4dCB4PSI2MDAiIHk9IjI4MCiGZmlsbD0iI zg2ZWZhYyIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMC I+Tm88L3RleHQ+CgogIDwhLS0gUXVlc3Rp b24gNDogQ2xvdWQgTw9uaXRvcmluZyAtLT4KICA8cG9 seWdvbiBwb2ludHM9IjU5MCwyOTUgNjYwLDMzNSA10TAsMzc1IDUyMCwzMzUiIGZpbGw9InVybCgj ZHRRdWVzdGlvbikiIGZpbHRlcj0idXjsKC NkdFNoYW RvdykiLz4KICA8dGV4dCB4PSI10TAiIHk9I jMzMCiGZmlsbD0iIzBmMTcyYSIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm 9udC1zaXplPSIxMCiGZm9udC13ZwlnaHQ9IjYwMCiGdGV4dC1hb mNob3I9Im1pZGRsZSI+QVdTL0F 6dXJlLzwvdGV4dD4KICA8dGV4dCB4PSI10TAiIHk9IjM0MyIgZmlsbD0iIzBmMTcyYSIgZm9udC1m YW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGZm9udC13ZwlnaHQ9I jYwMCiGdGV4dC1hb mNob3I9Im1pZGRsZSI+R0NQPz wvdGV4dD4KCiAgPCEtLSBZZXMgLSBSZXF1aX JlZCATLT4KICA8bGluZSB4MT0iNjYwIiB5MT0iMzM1IiB4Mj0iNjgwIiB5Mj0iMzM1IiBzdHJva2U 9IiNlZjQ0NDQiIHn0cm9rZS13awR0aD0iMiIvPgogIDxsaw5lIHgxPSI20DAiIHkxPSIzMzUiIHgy PSI20DAiIHk yPSIzMDAiIHn0cm9rZT0iI2VmNDQ0NCIgc3Ryb2t1LXd pZHRoPSIyIi8+CiAgPHRle HQgeD0iNjcwIiB5PSIzMjUiIGZpbGw9IiNmY2E1YTUiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIH NhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiPl llczwvdGV4dD4KICA8cmVjdCB4PSI2MjAiIHk9IjM wMCiGd2lk dGg9IjcwIiBoZwlnaHQ9IjQwIiByeD0iNCiGZmlsbD0idXjsKC NkdFJlcXVpcmVkkSiG ZmlsdGvYPSJ1cmwoI2R0U2hhZG93KSiV PgogIDx0ZXh0IHg9IjY1NSIgeT0iMzMzIiBmaWxsPSJ3a G10ZSiGZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGZm 9udC13ZwlnaHQ9IjYwMCiGdGV4dC1hb mNob3I9Im1pZGRsZSI+UkVRVUlsRUQ8L3RleHQ+CgogIDw hLS0gTm8gLSBjb250aw51ZSA tLT4KICA8bGluZSB4MT0iNTIwIiB5MT0iMzM1IiB4Mj0iNDIwIiB5 Mj0iMzM1IiBzdHJva2U9IiMyMmM1NWUiIHn0cm9rZS13awR0aD0iMiIvPgogIDx0ZXh0IHg9IjQ3M CIgeT0iMzM1IiBmaWxsPSIj0DZ1ZmFjIiBmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYw5zLXnlcm lmiIiBmb250LXNpemU9IjEwIj50bzwvdGV4dD4KCiAgPCEtLSBRdWVzdGlvbiA10iBMYXJnZSBTY2F sZSA tLT4KICA8cG9seWdvbiBwb2ludHM9IjM1MCwyOTUgNDIwLDMzNSA zNTAsMzc1IDI4MCwzMzUi IGZpbGw9InVybCgjZHRRdWVzdGlvbikiIGZpbHRlcj0idXjsKC NkdFNoYW RvdykiLz4KICA8dGV4d CB4PSIzNTAiIHk9IjMzMCiGZmlsbD0iIzBmMTcyYSIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2 Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGZm9udC13ZwlnaHQ9IjYwMCiGdGV4dC1hb mNob3I9Im1pZGRsZSI+NTAwKyBob3N0cz88L3RleHQ+CgogIDwhLS0gWwvzIC0gUmVjb21tZW5kZWQgLS0+CiAg PGxp bmUgeDE9IjI4MCiGeTE9IjMzNSIgeDI9IjE4MCiGeTI9IjMzNSIgc3Ryb2tlPSIjM2I4MmY2I iBzdHJva2Utd2lk dGg9IjIiLz4KICA8dGV4dCB4PSIyMzAiIHk9IjMyNSIgZmlsbD0iIzkzYzVmZC IgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCi+WwvzPC9 0ZXh0PgogIDxyZwN0IHg9IjgwIiB5PSIzMTAiIHdpZHRoPSIxMDAiIGHlaWdodD0iNTAiIHJ4PSI2 IiBmaWxsPSJ1cmwoI2R0UmVjb21tZW5kZWQpIiBmaWx0ZXI9InVybCgjZHRTaGFkb3cpIi8+CiAgP HRleHQgeD0iMTMwIiB5PSIzMzMiIGZpbGw9IndoaXRlIiBmb250LWZhbWlseT0ic3lzdGVtLXvpLC BzYw5zLXnlcmIiBmb250LXNpemU9IjExIiBmb250LXdlaWdodD0iNzAwIiB0ZXh0LWFuY2hvcj0 ibWlkZGxlij5SRUNPTU1FTkRFRDwvdGV4dD4KICA8dGV4dCB4PSIxMzAiIHk9IjM0NyIgZmlsbD0i cmdiYSgyNTUsMjU1LDI1NSwwLjgpIiBmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYw5zLXnlcmIiBmb250LXNpemU9IjEwIiB0ZXh0LWFuY2hvcj0ibWlkZGxlij5CYw5kd2lk dGgvU2NhbGU8L3RleH Q+CgogIDwhLS0gTm8gLSBPcHRpb25hbCA tLT4KICA8bGluZSB4MT0iMzUwIiB5MT0iMzc1IiB4Mj0iMzUwIiB5Mj0iNDEwIiBzdHJva2U9IiMyMmM1NWUiIHn0cm9rZS13awR0aD0iMiIvPgogIDx0ZXh0IHg9IjM2MCiGeT0iMzk1IiBmaWxsPSIj0DZ1ZmFjIiBmb250LWZhbWlseT0ic3lzdGVtLXvpLCBzYw5zLXnlcmIiBmb250LXNpemU9IjEwIiB0Zxh0LWFuY2hvcj0ibWlkZGxlij5CYw5kd2lk dGgvU2NhbGU8L3RleH Q+CgogIDwhLS0gTm8gLSBPcHRpb25hbCA tLT4KICA8bGluZSB4MT0iMzUwIiB5MT0iMzc1IiB4Mj0iMzUwIiB5Mj0iNDEwIiBzdHJva2U9IiMyMmM1NWUiIHn0cm9rZS13awR0aD0iMiIv

```
dGUIiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTEiIGZvb
nQtd2VpZ2h0PSI3MDAiIHR1eHQtYW5jaG9yPSJtaWRkbGUipk9QVElPTkFMPC90ZXh0PgoKICA8IS
0tIExlZ2VuZCAtLT4KICA8cmVjdCB4PSIyMCiGeT0iMzgwIiB3aWR0aD0iMTUwIiBoZWlnaHQ9IjY
wIiByeD0iNCIgZmlsbD0iIzFlMjkzYiIgc3Ryb2tlPSIjMzM0MTU1IiBzdHJva2Utd2lkdGg9IjEi
Lz4KICA8dGV4dCB4PSI5NSIgeT0iMzk4IiBmaWxsPSIjOTRhM2I4IiBmb250LWZhbWlseT0ic3lzd
GVtLXVpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjEwIiBmb250LXdlaWdodD0iNjAwIiB0ZXh0LW
FuY2hvcj0ibWlkZGxIj5MZWdlbmQ8L3RleHQ+CiAgPHJ1Y3QgeD0iMzAiIHk9IjQw0CIgd2lkdGg
9IjEwIiBoZWlnaHQ9IjEwIiByeD0iMiIgZmlsbD0idXJsKCNkdFJlcXVpcmVkKSIvPgogIDx0ZXh0
IHg9IjQ1IiB5PSI0MTciIGZpbGw9IiNLMMu4ZjAiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhb
nMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiPlJlcXVpcmVkPC90ZXh0PgogIDxyZWN0IHg9IjkwiB5PS
I0MDgiIHdpZHRoPSIxMCiGaGVpZ2h0PSIxMCiGcng9IjIiIGZpbGw9InVybCgjZHSZWNvbW1lbmR
lZCkiLz4KICA8dGV4dCB4PSIxMDUiIHk9IjQxNyIgZmlsbD0iI2UyZThmMCiGz9udC1mYW1pbHk9
InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCI+UmVjb21tZW5kZWQ8L3RleHQ+C
iAgPHJ1Y3QgeD0iMzAiIHk9IjQyMyIgd2lkdGg9IjEwIiBoZWlnaHQ9IjEwIiByeD0iMiIgZmlsbD
0idXJsKCNkdE9wdGlvbmfKSIvPgogIDx0ZXh0IHg9IjQ1IiB5PSI0MzIiIGZpbGw9IiNLMMu4ZjA
iIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiPk9wdGlv
bmFsPC90ZXh0PgogIDxyZWN0IHg9IjQ1IiB5PSI0MzIiIGZpbGw9IiNLMMu4ZjA
```

### ## 3. How Many ActiveGates?

#### ### Sizing Guidelines

ActiveGate Size	OneAgents Supported	Memory	CPU
**Small**	Up to 500	2 GB	2 cores
**Medium**	500–1,500	4 GB	4 cores
**Large**	1,500–3,000	8 GB	8 cores
**Extra Large**	3,000–5,000	16 GB	16 cores

#### ### Detailed Hardware Requirements

##### #### Minimum System Requirements

Component	Minimum	Recommended
**CPU**	2 cores (x64)	4+ cores
**RAM**	2 GB	4+ GB
**Disk Space**	2 GB	10+ GB (for logs/cache)
**Disk Type**	HDD	SSD (for extensions)
**Network**	100 Mbps	1 Gbps

##### #### Operating System Support

OS	Supported Versions
**RHEL/CentOS**	7.x, 8.x, 9.x
**Ubuntu**	18.04, 20.04, 22.04, 24.04 LTS

**Debian**	10, 11, 12
**Amazon Linux**	2, 2023
**SUSE**	12 SP5, 15 SPx
**Windows Server**	2016, 2019, 2022

#### #### Memory Sizing by Workload

Workload Type	Base Memory	Additional per Feature
**Routing Only**	2 GB	-
*** Extensions 2.0***	2 GB	+1-2 GB per active extension
*** Synthetic***	2 GB	+1 GB per 10 monitors
*** Cloud Integration***	2 GB	+512 MB per cloud account
*** Log Ingest***	2 GB	+2 GB for high volume

#### #### Disk Space Sizing

Purpose	Space Required
**Base Installation**	1.5 GB
**Log Files (default)**	1-5 GB (rotated)
**Extension Cache**	500 MB – 2 GB
**Synthetic Cache**	500 MB – 1 GB
**Temporary Files**	1 GB
**Recommended Total**	10–20 GB

> \*\*Best Practice:\*\* Mount `/opt/dynatrace` on a dedicated partition with at least 20 GB for production deployments.

#### ## High Availability

For production environments, deploy \*\*at least 2 ActiveGates per network zone\*\*:

Deployment	ActiveGates	Purpose
**Minimum HA**	2 per zone	Failover capability
**Recommended**	2-3 per zone	Load distribution + failover
**Large scale**	N+1 per zone	Capacity + redundancy

> \*\*Key Point:\*\* OneAgents automatically load-balance across available ActiveGates and failover if one becomes unavailable.

#### ## Example Deployment

Network Zone	Hosts	ActiveGates	Sizing	Memory	CPU
Production DMZ	200	2	Small	2 GB each	2 cores

Production	Internal	800	2	Medium	4 GB each	4 cores
Development		150	1	Small	2 GB	2 cores
**Total**		**1,150**	**5**		**14 GB**	**14 cores**

## ## 4. Where to Deploy?

### ### Network Zone Strategy

Deploy ActiveGates based on network segmentation:

## ! [ActiveGate Placement]

11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMC IgZm9udC13ZWlnaHQ9IjYwMC Ig dGV4dC1hb mN  
ob3I9Im1pZGRsZSI+T0E8L3R1eHQ+CgogIDxyZWN0IHg9Ijk1IIiB5PSI4NSIgd2lkdGg9IjUwIiBo  
ZWlnaHQ9IjM1IIiByeD0iMyIgZmlsbD0idXJsKCNhcEJsdWUpIiBmaWx0ZXi9InVybCgjYXBTaGFkb  
3cpIi8+CiAgPHRleHQgeD0iMTIwIiB5PSIxMDciIGZpbGw9IndoaXRlIiBmb250LWZh bWlseT0ic3  
lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjEwIiBmb250LXdlaWdodD0iNjAwIiB0ZXh  
0LWFuY2hvcj0ibWlkZGxlIj5PQTwvdGV4dD4KCiAgPHJlY3QgeD0iMzUiIHk9IjEzMC Ig d2lkdGg9  
IjUwIiBoZWlnaHQ9IjM1IIiByeD0iMyIgZmlsbD0idXJsKCNhcEJsdWUpIiBmaWx0ZXi9InVybCgjY  
XBTaGFkb3cpIi8+CiAgPHRleHQgeD0iNjAiIHk9IjE1MiIgZmlsbD0id2hp dGU iIGZvbnQtZmFtaW  
x5PSJzeXN0Zw0tdWksIH NhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDA  
iIHRleHQtYW5jaG9yPSJtaWRkbGUIPk9BPC90ZXh0PgoKICA8cmVjdCB4PSI5NSIgeT0iMTMwIiB3  
aWR0aD0iNTAiIGHlaWdodD0iMzUiIHJ4PSIzIiBmaWxsPSJ1cmwoI2FwQmx1ZSk iIGZpbHrlc j0id  
XJsKCNhcFNoYWRvdykiLz4KICA8dGV4dCB4PSIxMjAiIHk9IjE1MiIgZmlsbD0id2hp dGU iIGZvbn  
QtZmFtaWx5PSJzeXN0Zw0tdWksIH NhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h  
0PSI2MDAiIHRleHQtYW5jaG9yPSJtaWRkbGUIPk9BPC90ZXh0PgoKICA8dGV4dCB4PSI5MC Ig eT0i  
MTg1IIiBmaWxsPSIjNjQ3NDhiIiBmb250LWZh bWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb  
250LXNpemU9IjEwIiB0ZXh0LWFuY2hvcj0ibWlkZGxlIj5PbmVBZ2VudHM8L3R1eHQ+CgogIDwhLS  
0gRE1aIFpvbmUgKG NlbnRlc i1sZwZ0KSAtLT4KICA8cmVjdCB4PSIxODAiIHk9IjUwIiB3aWR0aD0  
iMTQwIiBoZWlnaHQ9IjE2MC Ig cng9IjgiIGZpbGw9IiMxZTI5M2IiIHn0cm9rZT0iI2Y10WUwYiIg  
c3Ryb2t lLXd pZHRoPSIyIiBmaWx0ZXi9InVybCgjYXBTaGFkb3cpIi8+CiAgPHRleHQgeD0iMjUwI  
iB5PSI3MiIgZmlsbD0iI2Y10WUwYiIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZi  
IgZm9udC1zaXplPSIxMSIgZm9udC13ZWlnaHQ9IjYwMC Ig dGV4dC1hb mNob3I9Im1pZGRsZSI+RE1  
aPC90ZXh0PgoKICA8cmVjdCB4PSIx0TU iIHk9Ijk wIiB3aWR0aD0iMTEwIiBoZWlnaHQ9IjQ1IIiBy  
eD0iNCIgZmlsbD0idXJsKCNhcFB1cnBsZSk iIGZpbHrlc j0idXJsKCNhcFNoYWRvdykiLz4KICA8d  
GV4dCB4PSIxNTAiIHk9IjExNSIgZmlsbD0id2hp dGU iIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIH  
NhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIGZvbnQtd2VpZ2h0PSI2MDAiIHRleHQtYW5jaG9yPSJ  
taWRkbGUIPkFjdG12ZUdhdGU8L3R1eHQ+CiAgPHRleHQgeD0iMjUwIiB5PSIxMjciIGZpbGw9InJn  
YmEoMjU1LDI1NSwyNTUsMC43KSIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZ  
m9udC1zaXplPSIxMC Ig dGV4dC1hb mNob3I9Im1pZGRsZSI+KFBya1hcnkpPC90ZXh0PgoKICA8cm  
VjdCB4PSIx0TU iIHk9IjE0NSIgd2lkdGg9IjExMC Ig aGVpZ2h0PSI0NSIg cng9IjQ iIGZpbGw9InV  
ybCgjYXBQdXJwbGUpIiBmaWx0ZXi9InVybCgjYXBTaGFkb3cpIi8+CiAgPHRleHQgeD0iMjUwIiB5  
PSIxNzAiIGZpbGw9IndoaXRlIiBmb250LWZh bWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb  
250LXNpemU9IjEwIiBmb250LXdlaWdodD0iNjAwIiB0ZXh0LWFuY2hvcj0ibWlkZGxlIj5BY3Rpdm  
VHYXRlPC90ZXh0PgogIDx0ZXh0IHg9IjI1MC Ig eT0iMTgyIiBmaWxsPSJyZ2JhKDI1NSwyNTUsMjU  
1LDAuNykiIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIH NhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAi  
IHRleHQtYW5jaG9yPSJtaWRkbGUIPi hIQSBTdGFuZGJ5KT wvdGV4dD4KCiAgPC EtLSBD bG91ZCBWU  
EMgWm9uZSAoY2VudGVyLXJpZ2h0KSAtLT4KICA8cmVjdCB4PSIxNjAiIHk9IjUwIiB3aWR0aD0iMT  
QwIiBoZWlnaHQ9IjE2MC Ig cng9IjgiIGZpbGw9IiMxZTI5M2IiIHn0cm9rZT0iIzIyYzU1ZSIg3R  
yb2t lLXd pZHRoPSIyIiBmaWx0ZXi9InVybCgjYXBTaGFkb3cpIi8+CiAgPHRleHQgeD0iNDMwIiB5  
PSIxNzAiIGZmlsbD0iIzIyYzU1ZSIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZ  
m9udC1zaXplPSIxMSIgZm9udC13ZWlnaHQ9IjYwMC Ig dGV4dC1hb mNob3I9Im1pZGRsZSI+QVdTIF  
ZQQzwvdGV4dD4KCiAgPHJlY3QgeD0iMzc1IIiB5PSI5MC Ig d2lkdGg9IjExMC Ig aGVpZ2h0PSI0NSI  
g cng9IjQ iIGZpbGw9InVybCgjYXBQdXJwbGUpIiBmaWx0ZXi9InVybCgjYXBTaGFkb3cpIi8+CiAg  
PHRleHQgeD0iNDMwIiB5PSIxMTU iIGZpbGw9IndoaXRlIiBmb250LWZh bWlseT0ic3lzdGVtLXVpL  
CBzYW5zLXNlcmlmIiBmb250LXNpemU9IjEwIiBmb250LXdlaWdodD0iNjAwIiB0ZXh0LWFuY2hvcj  
0ibWlkZGxlIj5BY3RpdmVHYXRlPC90ZXh0PgogIDx0ZXh0IHg9IjQzMC Ig eT0iMTI3IIiBmaWxsPSJ  
yZ2JhKDI1NSwyNTUsMjU1LDAuNykiIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIH NhbnMtc2VyaWYi  
IGZvbnQtc2l6ZT0iMTAiIHRleHQtYW5jaG9yPSJtaWRkbGUIPi hDbG91ZCBab251KT wvdGV4dD4KC  
iAgPHJlY3QgeD0iMzgwIiB5PSIxNTAiIHdpZHRoPSI0NSIg aGVpZ2h0PSIzMC Ig cng9IjMiIGZpbG

w9InVybCgjYXBCbHVlKSIgZm1sdGVyPSJ1cmwoI2FwU2hhZG93KSIvPgogIDx0ZXh0IHg9IjQwMiI  
geT0iMTY5IiBmaWxsPSJ3aG10ZSIgZm9udC1mYW1pbHk9InN5c3R1bS11aSwgc2Fucy1zZXJpZiIg  
Zm9udC1zaXplPSIxMCiGZm9udC13ZWlnaHQ9IjYwMCiGdGV4dC1hbmnob3I9Im1pZGRsZSI+RUMyP  
C90ZXh0Pg0KICA8cmVjdCB4PSI0MzUiIHk9IjE1MCiGd2lkGg9IjQ1iBoZWLnaHQ9IjMwIiByeD  
0iMyIgZm1sbD0idXjsKCNhceJsdWUpIiBmaWx0ZXI9InVybCgjYXBTaGFkb3cpIi8+CiAgPHRleHQ  
geD0iNDU3IiB5PSIxNjkiIGZpbGw9IndoaXRlIiBmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW5z  
LXNlcmlmIiBmb250LXNpemU9IjEwIiBmb250LXdlaWdodD0iNjAwIiB0ZXh0LWFuY2hvcj0ibwlkZ  
Gxlij5FS1M8L3RleHQ+CgogIDwhLS0gRHluYXRyYWNlIFNhYVMgKHJpZ2h0KSAtLT4KICA8cmVjdC  
B4PSI1NDAiIHk9IjUwIiB3aWR0aD0iMTQwIiBoZWLnaHQ9IjE2MCiGcng9IjgiIGZpbGw9InVybCg  
jYXBHcmVbikiIGZpbHrlcj0idXjsKCNhFn0YWRdykiLz4KICA8dGV4dCB4PSI2MTAiIHk9Ijk  
IiBmaWxsPSIjMGYxNzJhIiBmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb250L  
XNpemU9IjE0IiBmb250LXdlaWdodD0iNzAwIiB0ZXh0LWFuY2hvcj0ibwlkZGxlij5Eew5hdHJhY2  
U8L3RleHQ+CiAgPHRleHQgeD0iNjEwIiB5PSIxMTAiIGZpbGw9IiMwZjE3MmEiIGZvbnQtZmFtaWx  
5PSJzeXN0ZW0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTQiIGZvbnQtd2VpZ2h0PSI3MDAi  
IHRleHQTYW5jaG9yPSJtaWRkbGUiPlNhYVM8L3RleHQ+CiAgPHRleHQgeD0iNjEwIiB5PSIxNDAiI  
GZpbGw9InJnYmEoMTUsMjMsNDIsMC43KSIgZm9udC1mYW1pbHk9InN5c3R1bS11aSwgc2Fucy1zZX  
JpZiIgZm9udC1zaXplPSIxMCiGdGV4dC1hbmnob3I9Im1pZGRsZSI+Ki5hcHBzLmR5bmF0cmFjZS5  
jb208L3RleHQ+CiAgPHRleHQgeD0iNjEwIiB5PSIxNTgiIGZpbGw9InJnYmEoMTUsMjMsNDIsMC43  
KSIgZm9udC1mYW1pbHk9InN5c3R1bS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGdGV4d  
C1hbmnob3I9Im1pZGRsZSI+SFRUUfMg0jQ0MzwvdGV4dD4KCiAgPCETLSBDB25uZWN0aw9uIEFycm  
93cyAtIGRyYXduIEJFTe9XIGJveGVzIHNvIHRoZXkgZG9uJ3Qgb3ZlcmxhcCbj250ZW50IC0tPgo  
gIDwhLS0gSW50ZXJuYlwgdG8gRE1aIC0tPgogIDxaW5lIHgxPSIxNjAiIHkxPSIxMTIiIHgyPSIx  
OTUiIHkyPSIxMTIiIHn0cm9rZT0iIzYwYTVmYStIg3Ryb2tLLXdpZHRoPSIyIiBtYXJrZXItZW5kP  
SJ1cmwoI2FyckJsdWUpIi8+CiAgPGxpbmUgeDE9IjE2MCiGeTE9IjE2NyIgeDI9IjE5NSIgeTI9Ij  
E2NyIgc3Ryb2tLPSIjNjBhNWZhIiBzdHJva2Utd2lkGg9IjIiIG1hcmtlci1lbtQ9InVybCgjYXJ  
yQmx1ZSkilZ4KCiAgPCETLSBETVogdG8gRHluYXRyYWNlIChnb2VzIGJlbG93KSAtLT4KICA8cGF0  
aCBkPSJNMzIwIDEzMCBMMzQwIDEzMCBMMzQwIDIyMCBMNTIwIDEzMCBMNTQwIDEzMCBMMNTIwIDEz  
CIgc3Ryb2tLPSIjMTRmMTk1IiBzdHJva2Utd2lkGg9IjIiIGZpbGw9Im5vbmUiIG1hcmtlci1lbt  
Q9InVybCgjYXJyR3J1LZw4pIi8+CgogIDwhLS0gQ2xvdWQgdG8gRHluYXRyYWNlI0tPgogIDxaW5  
lIHgxPSI1MDAiIHkxPSIxMTIiIHgyPSI1NDAiIHkyPSIxMTIiIHn0cm9rZT0iIzE0ZjE5NSIgc3Ry  
b2tLLXdpZHRoPSIyIiBtYXJrZXItZW5kPSJ1cmwoI2FyckdyZWVuKSIvPgoKICA8IS0tIFBvcnQgb  
GFizWxzIC0tPgogIDx0ZXh0IHg9IjE3NyIgeT0iMTA1IiBmaWxsPSIjNjBhNWZhIiBmb250LWZhbW  
lseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjEwIj460Tk50TwvdGV4dD4KICA  
8dGV4dCB4PSI1MjAiIHk9IjEwNSIgZm1sbD0iIzE0ZjE5NSIgZm9udC1mYW1pbHk9InN5c3R1bS11  
aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCi+OjQ0MzwvdGV4dD4KICA8dGV4dCB4PSI0MzAiI  
Hk9IjIzNSIgZm1sbD0iIzE0ZjE5NSIgZm9udC1mYW1pbHk9InN5c3R1bS11aSwgc2Fucy1zZXJpZi  
IgZm9udC1zaXplPSIxMCi+OjQ0MzwvdGV4dD4KCiAgPCETLSBCZxN0IFByYWN0awNlcyBCb3ggLS0  
+CiAgPHJ1Y3QgeD0iMjAiIHk9IjI0MCiGd2lkGg9IjY2MCiGaGVpZ2h0PSIxNDUiIHJ4PSI4IiBm  
aWxsPSIjMWUyOTNIiIiBzdHJva2U9IiMzMzQxNTUiIHn0cm9rZS13awR0aD0iMSIvPgogIDx0ZXh0I  
Hg9IjM1MCiGeT0iMjY1iBmaWxsPSIjZjhMwZjIiBmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW  
5zLXNlcmlmIiBmb250LXNpemU9IjEzIiBmb250LXdlaWdodD0iNjAwIiB0ZXh0LWFuY2hvcj0ibwl  
kZGxlij5QbGFjZW1lbnQgQmVzdCBQcmFjdG1jZXM8L3RleHQ+CgogIDwhLS0gUHJhY3RpY2UgSXrl  
bXMgLS0+CiAgPHJ1Y3QgeD0iMzUiIHk9IjI4MCiGd2lkGg9IjIwMCiGaGVpZ2h0PSI5MCiGcng9I  
jQ1iIGZpbGw9IiMwZjE3MmEiLz4KICA8dGV4dCB4PSIxMzUiIHk9IjMwMCiGZm1sbD0iI2Y10WUwYi  
IgZm9udC1mYW1pbHk9InN5c3R1bS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMSIgZm9udC1  
3ZWlnaHQ9IjYwMCiGdGV4dC1hbmnob3I9Im1pZGRsZSI+U2FtZSB0ZXR3b3JrIFpvbmU8L3RleHQ+  
CiAgPHRleHQgeD0iMTM1IiB5PSIxMTgiIGZpbGw9IiM5NGEzYjgiIGZvbnQtZmFtaWx5PSJzeXN0Z  
W0tdWksIHnhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIHRLeHQTYW5jaG9yPSJtaWRkbGUiPlBsYW

```

NlIEFHIGluIHNhbwUgem9uZTwvdGV4dD4KICA8dGV4dCB4PSIxMzUiIHk9IjMzMISigZmlsbD0iIzk
0YTNi0CIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiG
dGV4dC1hbmNob3I9Im1pZGRsZSI+YXMgT25lQWdlbnRzIGl0IHnlcnZlczwvdGV4dD4KICA8dGV4d
CB4PSIxMzUiIHk9IjM1NCiGZmlsbD0iIzY0NzQ4YiIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2
Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+TWluaW1pemVzIGZ
pcmV3YWxsIHJ1bGvzPC90ZXh0PgoKICA8cmVjdCB4PSIxNTAiIHk9IjI4MCiGd2lkGg9IjIwMCiG
aGVpZ2h0PSI5MCiGcng9IjQiIGZpbGw9IiMwZjE3MmEiLz4KICA8dGV4dCB4PSIxNTAiIHk9IjMwM
CIgZmlsbD0iIzIyYzU1ZSIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC
1zaXplPSIxMSigZm9udC13ZWlnaHQ9IjYwMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+SGlnaCBBdmF
pbGFiaWxpdkh8L3RleHQ+CiAgPHRleHQgeD0iMzUwIiB5PSIzMTgiIGZpbGw9IiM5NGEzYjgiIGZv
bnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIHRleHQtYW5ja
G9yPSJtaWRkbGUIPkRlcGxveSAyKyBBY3RpdmVHYXRlczwvdGV4dD4KICA8dGV4dCB4PSIxNTAiIH
k9IjMzMISigZmlsbD0iIzk0YTNi0CIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiI
gZm9udC1zaXplPSIxMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+cGVyIHpvbmUgZm9yIHByb2R1Y3Rp
b248L3RleHQ+CiAgPHRleHQgeD0iMzUwIiB5PSIzNTQiIGZpbGw9IiM2NDc00GIiIGZvbnQtZmFta
Wx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiIHRleHQtYW5jaG9yPSJtaW
RkbGUIPkF1dG8gbG9hZC1iYwxhbmNLICsgZmFpbG92ZXI8L3RleHQ+CgogIDxyZWN0IHg9IjQ2NSI
geT0iMjgwIiB3aWR0aD0iMjAwIiBoZWlnaHQ9IjkwiIByeD0iNCiGZmlsbD0iIzBmMTcyYSiVPgog
IDx0ZXh0IHg9Ijju2NSIgeT0iMzAwIiBmaWxsPSIjM2I4MmY2IiBmb250LWZhbwlset0ic3lzdGVtL
XVpLCBzYW5zLXNlclmIiBmb250LXNpemU9IjExIiBmb250LXdlaWdodD0iNjAwIiB0ZXh0LWFuY2
hvcj0ibWlkZGxlIj5DbG91ZCBJbnRlZ3JhdGlvbjwvdGV4dD4KICA8dGV4dCB4PSI1NjUiIHk9IjM
x0CIgZmlsbD0iIzk0YTNi0CIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9u
dC1zaXplPSIxMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+T25lIEFHIBlcIBWUEmVvk5ldDwvdGV4d
D4KICA8dGV4dCB4PSI1NjUiIHk9IjMzMISigZmlsbD0iIzk0YTNi0CIgZm9udC1mYW1pbHk9InN5c3
RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCiGdGV4dC1hbmNob3I9Im1pZGRsZSI+Zm9
yIGNsb3VkIG1vbml0b3Jpbmc8L3RleHQ+CiAgPHRleHQgeD0iNTY1iB5PSIzNTQiIGZpbGw9IiM2
NDc00GIiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiI
HRleHQtYW5jaG9yPSJtaWRkbGUIPlB1bGxzIEFXUy9BenVyZS9HQ1AgbWV0cmlijczwvdGV4dD4KPC
9zdmC+Cg==)

```

### ### Placement Rules

Rule	Description
**Same network zone**	AG should be in same zone as OneAgents it serves
**Outbound access**	AG needs HTTPS to `*.dynatrace.com`
**Inbound from agents**	OneAgents connect to AG on port 9999
**Low latency**	Place AG close to monitored workloads

### ### Cloud-Specific Guidance

Cloud	Recommendation
**AWS**	Deploy in management VPC or shared services subnet
**Azure**	Hub VNet with peering to spoke VNets
**GCP**	Shared VPC host project
**Kubernetes**	Deploy as StatefulSet or standalone VM outside cluster

```

## 5. Generating Tokens

ActiveGate requires a PaaS token for installation.

**Location:** Settings → Integration → Platform as a Service

Or use the API token approach:

### Required Token Scopes

| Scope | API Name | Purpose |
|-----|-----|-----|
| **PaaS integration – Installer download** | `InstallerDownload` | Download ActiveGate installer |

### Additional Scopes by Use Case

| Use Case | Additional Scopes |
|-----|-----|
| **AWS Monitoring** | `aws.supportedServicesRead` |
| **Azure Monitoring** | `azure.supportedServicesRead` |
| **Extensions 2.0** | `extensions.read`, `extensions.write` |
| **Synthetic Private Location** | `syntheticLocations.write` |

### Token Naming Convention

Use descriptive names:
- `prod-activegate-dmz`
- `aws-activegate-useast1`
- `k8s-activegate-cluster1`


## 6. Installation Methods

### Linux Installation

```bash
# Download the installer
wget -O Dynatrace-ActiveGate.sh \
"https://{{tenant-\
id}}.live.dynatrace.com/api/v1/deployment/installer/gateway/unix/latest?Api-\
Token={{paas-token}}"

# Make executable and run
chmod +x Dynatrace-ActiveGate.sh
sudo ./Dynatrace-ActiveGate.sh
```

```

```

### Windows Installation

```powershell
# Download the installer
Invoke-WebRequest -Uri "https://{{tenant-id}}.live.dynatrace.com/api/v1/deployment/installer/gateway/windows/latest?Api-Token={{paas-token}}" -OutFile Dynatrace-ActiveGate.exe

# Run the installer
.\Dynatrace-ActiveGate.exe
```

### Container Deployment (Docker/Podman)

```bash
docker run -d --name dynatrace-activegate \
-e DT_TENANT="{{tenant-id}}" \
-e DT_API_TOKEN="{{paas-token}}" \
-p 9999:9999 \
dynatrace/activegate:latest
```

### Installation Parameters

Parameter	Purpose	Example
`--set-network-zone`	Assign to network zone	`--set-network-zone=dmz`
`--set-group`	Group for management	`--set-group=production`
`--enable-synthetic`	Enable synthetic capability	`--enable-synthetic`

## 6a. Kubernetes Deployment (Detailed)

Deploying ActiveGate in Kubernetes requires careful consideration of where, how, and when to use containerized ActiveGates vs. traditional VM deployments.

### When to Deploy ActiveGate in Kubernetes

Scenario	Deploy in K8s?	Reasoning
**Cluster-only monitoring**	Yes	Co-located with workloads, simplifies networking
**Routing for in-cluster OneAgents**	Yes	Lower latency, no external hops
**Extensions 2.0 for K8s resources**	Yes	Direct access to cluster APIs
**Multi-cluster routing**	Consider	May need external AG for cross-cluster

```

|   |
|---|
| **Private synthetic monitoring**   ✖ Usually VM   Synthetic requires stable network, not pod restarts |
| **Routing for external hosts**   ✖ VM preferred   External hosts need stable, routable IP             |
| **Air-gapped environments**   ✖ VM preferred   Often need dedicated proxy tier                        |

### ### When NOT to Deploy in Kubernetes

|   |
|---|
| Scenario   Why VM is Better   |
| ----- -----   |
| **Routing for VMs/bare metal**   VMs need stable IPs, not pod IPs                       |
| **Private synthetic locations**   Synthetic tests sensitive to pod restarts             |
|   |
| **Extensions polling external systems**   External systems may not allow K8s egress IPs |
| **Compliance requiring dedicated hosts**   Some compliance requires dedicated hardware  |

### ### Deployment Architecture

! [ActiveGate Kubernetes Deployment]

```
()
```

1MDAiiIGZpbGw9InVybCgjazhzQmcpiIi8+CgogIDwhLS0gVG10bGUgLS0+CiAgPHRleHQgeD0iNDaw  
IiB5PSIzNSIgdGV4dC1hbNob3I9Im1pZGRsZSIgZmlsbD0iI2UyZThmMCigZm9udC1mYw1pbHk9In  
n5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxOCigZm9udC13ZWlnaHQ9ImJvbGQiPk  
FjdG12ZUhdGUgS3ViZXJuZXRLcyBEZXBSb3ltZW50IEFyY2hpdvGvjdhVyzTwvdGV4dD4KCiAgPCE  
tLSBLdWJlcm5ldGVzIENsdXN0ZXIgQm94IC0tPgogIDxyZWN0IHg9IjQwIiB5PSI2MCigd2lkGg9  
IjUyMCigA GVpZ2h0PSIz0DAiIHJ4PSIxMiIgZmlsbD0ibm9uZSIg3Ryb2tLPSIjMzI2Y2U1IiBzd  
HJva2Utd2lkGg9IjIiIHn0cm9rZS1kYXNoYXJyYXk9IjgsNCIvPgogIDxyZWN0IHg9IjQwIiB5PS  
I2MCigd2lkGg9IjE4MCigA GVpZ2h0PSIx0Cigcng9IjYiIGZpbGw9InVybCgjazhzQ2x1c3Rlcik  
iLz4KICA8dGV4dCB4PSIxMzAiIHk9Ij5iB0Zxh0LWFuY2hvcj0ibwlkZgxliiBmaWxsPSJ3aG10  
ZSIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMiIgZm9ud  
C13ZWlnaHQ9ImJvbGQiPkt1YmVybmV0ZXmgQ2x1c3RlcjwvdGV4dD4KCiAgPCEtLSBkeW5hdHjhY2  
UgbmFtZXnwYwN1IC0tPgogIDxyZWN0IHg9IjYwIiB5PSIxMDAiIHdpZHRoPSI00DAiIGHlaWdodD0  
iMzIwIiByeD0iOCigZmlsbD0icmdiYSg1MCwgMTA4LCAYMjksIDAuMSkiIHn0cm9rZT0iIzMyNmN1  
NSIgc3Ryb2tLXdpxZHRoPSIxIi8+CiAgPHRleHQgeD0iODAiIHk9IjEyMCigZmlsbD0iIzk0YTNi0  
CIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMSI+bmFtZX  
NwYwN10iBkeW5hdHjhY2U8L3RleHQ+CgogIDwhLS0gU3RhdGVmdWxTZQgQm94IC0tPgogIDxyZWN  
0IHg9IjgwIiB5PSIxNDAiIHdpZHRoPSIx0DAiIGHlaWdodD0iMTgwIiByeD0iNiIgZmlsbD0icmdi  
YSgyMCwgMTg0LCAXnjYsIDAuMSkiIHn0cm9rZT0iIzE0YjhnhNiIgc3Ryb2tLXdpxZHRoPSIxIiBzd  
HJva2UtZGFzaGFycmF5PSI0LDIiLz4KICA8dGV4dCB4PSIxMDAiIHk9IjE10CigZmlsbD0iIzVlZW  
FKNCigZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMSIgZm9  
udC13ZWlnaHQ9ImJvbGQiPlN0YXR1ZnVsU2V00iBhY3RpdmVnYXR1PC90ZXh0PgoKICA8IS0tIEFj  
dG12ZUhdGUgUG9KIDEgLS0+CiAgPHJlY3QgeD0iMTAwIiB5PSIxNzUiIHdpZHRoPSIxMTAiIGHla  
WdodD0iNzAiIHJ4PSI2IiBmaWxsPSJ1cmwoI2FnUG9kKSIgZmlsdGVyPSJ1cmwoI3NoYWRvdykiLz  
4KICA8dGV4dCB4PSIxNTUiIHk9IjIwMCigdGV4dC1hbNob3I9Im1pZGRsZSIgZmlsbD0id2hpGU  
iIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIHnbmMtc2VyaWYiIGZvbnQtc2l6ZT0iMTEiIGZvbnQt  
d2VpZ2h0PSJib2xkIj5BY3RpdmVHYXR1LTA8L3RleHQ+CiAgPHRleHQgeD0iMTU1IiB5PSIxMTgiI  
HRleHQtYW5jaG9yPSJtaWRkbGUiIGZpbGw9IiNjY2ZiZjEiIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdW  
ksIHnbmMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiPlBvZDwvdGV4dD4KICA8dGV4dCB4PSIxNTUiIHk  
9IjIzNSIgdGV4dC1hbNob3I9Im1pZGRsZSIgZmlsbD0iI2NjZmJmMSIgZm9udC1mYw1pbHk9InN5  
c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSI5Ij460Tk50TwvdGV4dD4KCiAgPCEtLSBBY  
3RpdmVHYXR1IFBvZCAyIC0tPgogIDxyZWN0IHg9IjIzMCigT0iMTc1IiB3aWR0aD0iMTEiIBoZw  
lnaHQ9IjcwIiByeD0iNiIgZmlsbD0idXjsKCnhZ1BvZCKiIGZpbGHRlcj0idXjsKCNzaGFkb3cpIi8  
+CiAgPHRleHQgeD0iMjg1IiB5PSIxMDAiIHRleHQtYW5jaG9yPSJtaWRkbGUiIGZpbGw9IndoaXrl  
IiBmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYw5zLXNlcmIiBmb250LXNpemU9IjExIiBmb250L  
XdlawdodD0iYm9sZCI+QWN0aXZ1R2F0ZS0xPC90ZXh0PgogIDx0ZXh0IHg9IjI4NSIgeT0iMjE4Ii  
B0ZXh0LWFuY2hvcj0ibwlkZgxliiBmaWxsPSIjY2NmYmYxIiBmb250LWZhbWlseT0ic3lzdGVtLXV  
pLCBzYw5zLXNlcmIiBmb250LXNpemU9IjEwIj5Qb2Q8L3RleHQ+CiAgPHRleHQgeD0iMjg1IiB5  
PSIxMzUiIHRleHQtYW5jaG9yPSJtaWRkbGUiIGZpbGw9IiNjY2ZiZjEiIGZvbnQtZmFtaWx5PSJze  
XN0Zw0tdWksIHnbmMtc2VyaWYiIGZvbnQtc2l6ZT0i0SI+0jk50Tk8L3RleHQ+CgogIDwhLS0gUF  
ZDIDegLS0+CiAgPHJlY3QgeD0iMTAwIiB5PSIxNjAiIHdpZHRoPSIxMTAiIGHlaWdodD0iNDuiIHJ  
4PSI0IiBmaWxsPSJ1cmwoI3N0b3JhZ2UpIiBmaWx0Zxi9InVybCgjc2hhZG93KSiivPgogIDx0ZXh0  
IHg9IjE1NSIgeT0iMjgyIiB0ZXh0LWFuY2hvcj0ibwlkZgxliiBmaWxsPSJ3aG10ZSIgZm9udC1mY  
W1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCigZm9udC13ZWlnaHQ9Im  
JvbGQiPlBWQzwvdGV4dD4KICA8dGV4dCB4PSIxNTUiIHk9IjI5NiIgdGV4dC1hbNob3I9Im1pZGR  
sZSIgZmlsbD0iI2Z1ZjNjNyIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9u  
dC1zaXplPSI5Ij5hZy1kYXRhLTA8L3RleHQ+CgogIDwhLS0gUFZDIDIgLS0+CiAgPHJlY3QgeD0iM  
jMwIiB5PSIxNjAiIHdpZHRoPSIxMTAiIGHlaWdodD0iNDuiIHJ4PSI0IiBmaWxsPSJ1cmwoI3N0b3  
JhZ2UpIiBmaWx0Zxi9InVybCgjc2hhZG93KSiivPgogIDx0ZXh0IHg9IjI4NSIgeT0iMjgyIiB0ZXh

0LWFuY2hvcj0ibWlkZGxliiBmaWxsPSJ3aGl0ZSIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fu  
cy1zZXJpZiIgZm9udC1zaXplPSIxMCigZm9udC13ZWlnaHQ9ImJvbGQiPlBWQzwvdGV4dD4KICA8d  
GV4dCB4PSIyODUiIHk9IjI5NiIgdGV4dC1hbmNob3I9Im1pZGRsZSIgZmlsbD0iI2ZlZjNjNyIgZm  
9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSI5Ij5hZy1kYXRhLTE  
8L3RleHq+CgogIDwhLS0gU2VydmljZXMgLS0+CiAgPHJlY3QgeD0iMzkwiB5PSIxNDAiIHdpZHRo  
PSIxMzAiIGhlaWdodD0iNTUiIHJ4PSI2iBmaWxsPSJ1cmwoI3NlcnPzY2UpiBmaWx0ZXi9InVyb  
Cgjc2hhZG93KSiVPgogIDx0ZXh0IHg9IjQ1NSIgeT0iMTTyiB0ZXh0LWFuY2hvcj0ibWlkZGxlii  
BmaWxsPSJ3aGl0ZSIgZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXp  
lPSIxMSIgZm9udC13ZWlnaHQ9ImJvbGQiPkNsdXN0ZXiJUDwvdGV4dD4KICA8dGV4dCB4PSI0NTUi  
IHk9IjE30CIgdGV4dC1hbmNob3I9Im1pZGRsZSIgZmlsbD0iI2U5ZDVmZiIgZm9udC1mYW1pbHk9I  
nN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCI+YWN0aXZlZ2F0ZTo0NDM8L3RleH  
Q+CiAgPHRleHqgeD0iNDUiIiB5PSIxOTAiIHRleHqteYw5jaG9yPSJtaWRkbGUIIGZpbGw9IiNjNGI  
1ZmQiIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0i0SI+KGl  
dGVybmFsKTwvdGV4dD4KCiAgPHJlY3QgeD0iMzkwiB5PSIxMTAiIHdpZHRoPSIxMzAiIGhlaWdod  
D0iNTUiIHJ4PSI2iBmaWxsPSJ1cmwoI3NlcnPzY2UpiBmaWx0ZXi9InVybCgjc2hhZG93KSiVPg  
ogIDx0ZXh0IHg9IjQ1NSIgeT0iMjMyiB0ZXh0LWFuY2hvcj0ibWlkZGxliiBmaWxsPSJ3aGl0ZSI  
gZm9udC1mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMSIgZm9udC13  
ZWlnaHQ9ImJvbGQiPkxvYWRCYWxhbmNlcjwvdGV4dD4KICA8dGV4dCB4PSI0NTUiIHk9IjI00CIgd  
GV4dC1hbmNob3I9Im1pZGRsZSIgZmlsbD0iI2U5ZDVmZiIgZm9udC1mYW1pbHk9InN5c3RlbS11aS  
wgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIxMCI+YWN0aXZlZ2F0ZS1leHQ6NDQzPC90ZXh0PgogIDx  
0ZXh0IHg9IjQ1NSIgeT0iMjYwIiB0ZXh0LWFuY2hvcj0ibWlkZGxliiBmaWxsPSIjYzRiNWZkiiBm  
b250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjkiPihleHrlcm5hb  
CBhY2Nlc3MpPC90ZXh0PgokICA8IS0tIENvbmpZ01hcCamIFNlY3JldCATLT4KICA8cmVjdCB4PS  
Iz0TAiIHk9IjI4MCigd2lkdGg9IjYwIiBoZWLnaHQ9IjQwIiByeD0iNCIgZmlsbD0iIzQ3NTU20SI  
gZmlsdGVyPSJ1cmwoI3NoYWrvdykiLz4KICA8dGV4dCB4PSI0MjAiIHk9IjMwMCigdGV4dC1hbmNo  
b3I9Im1pZGRsZSIgZmlsbD0id2hpdGUiIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIHNhbnMtc2Vya  
WYiIGZvbnQtc2l6ZT0i0SIgZm9udC13ZWlnaHQ9ImJvbGQiPlNlY3JldDwvdGV4dD4KICA8dGV4dC  
B4PSI0MjAiIHk9IjMxMiIgdGV4dC1hbmNob3I9Im1pZGRsZSIgZmlsbD0iI2NizDvlMSIgZm9udC1  
mYW1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSI4Ij50b2tlbnM8L3RleHq+  
CgogIDxyZWN0IHg9IjQ2MCiget0iMjgwIiB3aWR0aD0iNjAiIGhlaWdodD0iNDAiIHJ4PSI0iBma  
WxsPSIjNdc1NTY5iBmaWx0ZXi9InVybCgjc2hhZG93KSiVPgogIDx0ZXh0IHg9IjQ5MCiget0iMz  
AwIiB0ZXh0LWFuY2hvcj0ibWlkZGxliiBmaWxsPSJ3aGl0ZSIgZm9udC1mYW1pbHk9InN5c3RlbS1  
1aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSI5iBmb250LXdlaWdodD0iYm9sZCI+Q29uZmlnTWFw  
PC90ZXh0PgogIDx0ZXh0IHg9IjQ5MCiget0iMzEyIiB0ZXh0LWFuY2hvcj0ibWlkZGxliiBmaWxsPS  
SIjY2JkNWUxiBmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9Ij  
giPmNvbmZpZzwvdGV4dD4KCiAgPCEtLSBPbmVBZ2VudHMgaW4gY2x1c3RlcAtLT4KICA8cmVjdCB  
4PSI4MCiget0iMzM1iB3aWR0aD0iMjYwIiBoZWLnaHQ9IjcwIiByeD0iNiIgZmlsbD0icmdiYSgx  
MDAsIDExNiwgMTM5LCAwLjIpIiBzdHJva2U9iim2NDc00GIiIHN0cm9rZS13aWR0aD0iMSIVPgogI  
Dx0ZXh0IHg9IjIxMCiget0iMzU1iB0ZXh0LWFuY2hvcj0ibWlkZGxliiBmaWxsPSIjOTRhM2I4ii  
Bmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjExIiBmb250LXd  
laWdodD0iYm9sZCI+QXBwbGljYXRpb24gUG9kcyAod2l0aCBPbmVBZ2VudCk8L3RleHq+CiAgPHJl  
Y3QgeD0iMTAwIiB5PSIzNjUiIhdZHRoPSI1MCigAGVpZ2h0PSIzMCigcng9IjMiIGZpbGw9IiM2N  
Dc00GIiLz4KICA8dGV4dCB4PSIxMjUiIHk9IjM4NCigdGV4dC1hbmNob3I9Im1pZGRsZSIgZmlsbD  
0id2hpdGUiIGZvbnQtZmFtaWx5PSJzeXN0Zw0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0i0SI  
+UG9kPC90ZXh0PgogIDxyZWN0IHg9IjE2MCiget0iMzY1iB3aWR0aD0iNTAiIGhlaWdodD0iMzAi  
IHJ4PSIzIiBmaWxsPSIjNjQ3NDhiIi8+CiAgPHRleHqgeD0iMTg1IiB5PSIz0DQiiIHRleHqteYw5ja  
G9yPSJtaWRkbGUIIGZpbGw9IndoaXRlIiBmb250LWZhbWlseT0ic3lzdGVtLXVpLCBzYW5zLXNlc  
lmIiBmb250LXNpemU9IjkiPlBvZDwvdGV4dD4KICA8cmVjdCB4PSIyMjAiIHk9IjM2NSIgd2lkdGg



```

zZXJpZiIgZm9udC1zaXplPSI5Ij46NDQzPC90ZXh0PgoKICA8IS0tIEFycm93cyAtLT4KICA8ZGVm
cz4KICAgIDxtYXJrZXIgaWQ9ImFycm93VGhbC1gbWFya2VyV21kdGg9IjEwIiBtYXJrZXJIZWlna
HQ9IjciIHJlZlg9Ijk1iHJlZlk9IjMuNSIgb3JpZW50PSJhdXRvIj4KICAgICAgPHBvbHlnb24gcG
9pbnRzPSIwIDAsIDEwIDMuNSwgMCA3IiBmaWxsPSIjMTRi0GE2Ii8+CiAgICA8L21hcmtlcj4KICA
gIDxtYXJrZXIgaWQ9ImFycm93UHVycGx1IiBtYXJrZXJXaWR0aD0iMTAiIG1hcmtlcjhlaWdodD0i
NyIgcmVmWD0i0SIgcmVmWT0iMy41IiBvcmlbnQ9ImF1dG8iPgogICAgICA8cG9seWdvbiBwb2lud
HM9IjAgMCwgMTAgMy41LCAwIDciIGZpbGw9IiM4YjVjZjYiLz4KICAgIDwvbWFya2VyPgogICAgPG
1hcmtlcipZD0iYXJyb3dHcmF5IiBtYXJrZXJXaWR0aD0iMTAiIG1hcmtlcjhlaWdodD0iNyIgcmV
mWD0i0SIgcmVmWT0iMy41IiBvcmlbnQ9ImF1dG8iPgogICAgICA8cG9seWdvbiBwb2ludHM9IjAg
MCwgMTAgMy41LCAwIDciIGZpbGw9IiM2Ndc0OGiLz4KICAgIDwvbWFya2VyPgogIDwvZGVmcz4KC
iAgPCEtLSBMZWdlbmQgLS0+CiAgPHJ1Y3QgeD0iNjAwIiB5PSIz0DUiIHdpZHRoPSIxNzAiIGHlaW
dodD0i0TUiIHJ4PSI2IiBmaWxsPSJyZ2JhKDMwLCA0MSwgNTksIDAuOck1iHN0cm9rZT0iIzMzNDE
1NSIgc3Ryb2tlLXdpxZHRoPSIxIi8+CiAgPHRleHQgeD0iNjg1IiB5PSI0MDUiIHRleHQtYW5jaG9y
PSJtaWRkbGUIIGZpbGw9IiNLmU4ZjAiIGZvbnQtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2Vya
WYiIGZvbnQtc2l6ZT0iMTEiIGZvbnQtd2VpZ2h0PSJib2xkIj5MZwdlbmQ8L3RleHQ+CgogIDxyZW
N0IHg9IjYxNSIgeT0iNDE1IiB3aWR0aD0iMTIiIGHlaWdodD0iMTIiIHJ4PSIyIiBmaWxsPSJ1cmw
oI2FnUG9kS1vPgogIDx0ZXh0IHg9IjYzNSIgeT0iNDI1IiBmaWxsPSIj0TRhM2I4IiBmb250LWZh
bWlseT0ic3lzdGVtLXvpLCBzYW5zLXNlcmlmIiBmb250LXNpemU9IjEwIj5BY3RpdmVHYXRlIFBvZ
DwvdGV4dD4KCiAgPHJ1Y3QgeD0iNjE1IiB5PSI0MzMiiHdpZHRoPSIxMiIgaGVpZ2h0PSIxMiIgcn
g9IjIiIGZpbGw9InVybCgjc2VydmljZSk1Iz4KICA8dGV4dCB4PSI2MzUiIHk9IjQ0MyIgZmlsbD0
iIzk0YTNI0CIgZm9udC1mYw1pbHk9InN5c3RlbS11aSwgc2Fucy1zZXJpZiIgZm9udC1zaXplPSIx
MCI+S3ViZXJuZXRLcyBTZXJ2aWNlPC90ZXh0PgoKICA8cmVjdCB4PSI2MTUiIHk9IjQ1MSIgd2lk
Gg9IjEyIiBoZWlnaHQ9IjEyIiByeD0iMiIgZmlsbD0idXjsKCNzdG9yYwdlKS1vPgogIDx0ZXh0IH
g9IjYzNSIgeT0iNDYxIiBmaWxsPSIj0TRhM2I4IiBmb250LWZhbwlseT0ic3lzdGVtLXvpLCBzYW5
zLXNlcmlmIiBmb250LXNpemU9IjEwIj5QZXJzaXN0ZW50IFN0b3JhZ2U8L3RleHQ+CgogIDxsaw5l
IHgxPSI2MTUiIHkxPSI0NzUiIHgyPSI2MjciIHkyPSI0NzUiIHn0cm9rZT0iIzE0YjhNNiIgc3Ryb
2tlLXdpxZHRoPSIxIi8+CiAgPHRleHQgeD0iNjM1IiB5PSI0NzgiIGZpbGw9IiM5NGEzYjgiIGZvbn
QtZmFtaWx5PSJzeXN0ZW0tdWksIHNhbnMtc2VyaWYiIGZvbnQtc2l6ZT0iMTAiPkRhdGEgRmxvdzw
vdGV4dD4KPC9zdmc+)

```

### ### Kubernetes Hardware Requirements

| Deployment Size                | CPU Request | CPU Limit | Memory Request | Memory Limit |
|--------------------------------|-------------|-----------|----------------|--------------|
| **Small** ( $\leq 500$ agents) | 500m        | 2000m     | 1Gi            | 2Gi          |
| **Medium** (500–1500)          | 1000m       | 4000m     | 2Gi            | 4Gi          |
| **Large** (1500–3000)          | 2000m       | 8000m     | 4Gi            | 8Gi          |
| **Extra Large** (3000+)        | 4000m       | 16000m    | 8Gi            | 16Gi         |

### ### Method 1: Dynatrace Operator (Recommended)

The Dynatrace Operator manages ActiveGate lifecycle automatically.

```

```yaml
# dynakube.yaml - ActiveGate via Operator
apiVersion: dynatrace.com/v1beta2
kind: DynaKube

```

```
metadata:
  name: dynakube
  namespace: dynatrace
spec:
  apiUrl: https://{{tenant-id}}.live.dynatrace.com/api

  # ActiveGate configuration
  activeGate:
    # Capabilities to enable
    capabilities:
      - routing          # Route OneAgent traffic
      - kubernetes-monitoring # K8s API monitoring
      - dynatrace-api    # Proxy Dynatrace API calls

  # Resource sizing
  resources:
    requests:
      cpu: "500m"
      memory: "1Gi"
    limits:
      cpu: "2000m"
      memory: "2Gi"

  # Number of replicas (HA)
  replicas: 2

  # Tolerations for dedicated nodes
  tolerations:
    - key: "dedicated"
      operator: "Equal"
      value: "dynatrace"
      effect: "NoSchedule"

  # Node selector (optional)
  nodeSelector:
    node-type: monitoring

  # Custom properties
  customProperties:
    value: |
      [connectivity]
      networkZone=kubernetes

  # Labels
  labels:
    app.kubernetes.io/component: activegate
  
```

```

**Install with Operator:**

```bash
# Create namespace
kubectl create namespace dynatrace

# Create secret with tokens
kubectl -n dynatrace create secret generic dynakube \
--from-literal=apiToken=dt0c01.XXXXXXXX \
--from-literal=paasToken=dt0c01.YYYYYYYY

# Install Dynatrace Operator via Helm
helm repo add dynatrace
https://raw.githubusercontent.com/Dynatrace/dynatrace-
operator/main/config/helm/repos/stable
helm repo update

helm install dynatrace-operator dynatrace/dynatrace-operator \
--namespace dynatrace \
--set installCRD=true

# Apply DynaKube configuration
kubectl apply -f dynakube.yaml
```

### Method 2: Helm Chart (Standalone)

```

For more control, use the standalone ActiveGate Helm chart:

```

```bash
# Add Dynatrace Helm repo
helm repo add dynatrace
https://raw.githubusercontent.com/Dynatrace/dynatrace-
operator/main/config/helm/repos/stable
helm repo update

# Create values file
cat > activegate-values.yaml << 'EOF'
apiUrl: "https://{{tenant-id}}.live.dynatrace.com/api"

activeGate:
  replicas: 2

capabilities:
  - routing
  - kubernetes-monitoring

resources:

```

```
requests:
  cpu: 500m
  memory: 1Gi
limits:
  cpu: 2
  memory: 2Gi

# Persistent storage for logs
persistence:
  enabled: true
  size: 10Gi
  storageClassName: gp3

# Service configuration
service:
  type: ClusterIP # or LoadBalancer for external access

# Environment variables
env:
  - name: DT_NETWORK_ZONE
    value: "kubernetes"

# Token from existing secret
existingSecret: dynatrace-tokens
EOF

# Install
helm install activegate dynatrace/dynatrace-activegate \
--namespace dynatrace \
--values activegate-values.yaml
```
```

### ### Method 3: Raw Kubernetes Manifests

For complete control, use raw manifests:

```
```yaml
# activegate-namespace.yaml
apiVersion: v1
kind: Namespace
metadata:
  name: dynatrace
---
# activegate-secret.yaml
apiVersion: v1
kind: Secret
metadata:
  name: dynatrace-tokens
```

```
namespace: dynatrace
type: Opaque
stringData:
  apiToken: "dt0c01.XXXXXXXXXXXXXXXXXX"
  paasToken: "dt0c01.YYYYYYYYYYYYYYYY"
---
# activegate-configmap.yaml
apiVersion: v1
kind: ConfigMap
metadata:
  name: activegate-config
  namespace: dynatrace
data:
  custom.properties: |
    [connectivity]
    networkZone=kubernetes

    [collector]
    MaxIncomingConnections=2000
---
# activegate-statefulset.yaml
apiVersion: apps/v1
kind: StatefulSet
metadata:
  name: activegate
  namespace: dynatrace
  labels:
    app: activegate
spec:
  serviceName: activegate
  replicas: 2
  selector:
    matchLabels:
      app: activegate
  template:
    metadata:
      labels:
        app: activegate
    spec:
      serviceAccountName: dynatrace-activegate
      containers:
        - name: activegate
          image: dynatrace/activegate:latest
          imagePullPolicy: Always
          env:
            - name: DT_TENANT
              value: "{tenant-id}"
            - name: DT_API_TOKEN
```

```
        valueFrom:
          secretKeyRef:
            name: dynatrace-tokens
            key: paasToken
      - name: DT_CAPABILITIES
        value: "routing,kubernetes_monitoring"
    ports:
      - containerPort: 9999
        name: ag-https
    resources:
      requests:
        cpu: "500m"
        memory: "1Gi"
      limits:
        cpu: "2000m"
        memory: "2Gi"
    volumeMounts:
      - name: config
        mountPath: /var/lib/dynatrace/gateway/config/custom.properties
        subPath: custom.properties
      - name: ag-data
        mountPath: /var/lib/dynatrace/gateway
    livenessProbe:
      httpGet:
        path: /rest/health
        port: 9999
        scheme: HTTPS
        initialDelaySeconds: 30
        periodSeconds: 15
    readinessProbe:
      httpGet:
        path: /rest/health
        port: 9999
        scheme: HTTPS
        initialDelaySeconds: 30
        periodSeconds: 5
    volumes:
      - name: config
        configMap:
          name: activegate-config
  volumeClaimTemplates:
    - metadata:
        name: ag-data
      spec:
        accessModes: ["ReadWriteOnce"]
        storageClassName: gp3
    resources:
      requests:
```

```

        storage: 10Gi
---

# activegate-service.yaml
apiVersion: v1
kind: Service
metadata:
  name: activegate
  namespace: dynatrace
spec:
  type: ClusterIP # Change to LoadBalancer for external access
  selector:
    app: activegate
  ports:
    - port: 443
      targetPort: 9999
      name: https
---

# Headless service for StatefulSet DNS
apiVersion: v1
kind: Service
metadata:
  name: activegate-headless
  namespace: dynatrace
spec:
  clusterIP: None
  selector:
    app: activegate
  ports:
    - port: 9999
      name: ag-https
```

```

### Exposing ActiveGate for External Access

If external hosts need to route through the K8s ActiveGate:

```

```yaml
# Option 1: LoadBalancer Service
apiVersion: v1
kind: Service
metadata:
  name: activegate-external
  namespace: dynatrace
  annotations:
    # AWS NLB
    service.beta.kubernetes.io/aws-load-balancer-type: "nlb"
    service.beta.kubernetes.io/aws-load-balancer-scheme: "internal"
spec:

```

```

type: LoadBalancer
selector:
  app: activegate
ports:
  - port: 443
    targetPort: 9999
---
# Option 2: Ingress (with TLS passthrough)
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: activegate-ingress
  namespace: dynatrace
  annotations:
    nginx.ingress.kubernetes.io/ssl-passthrough: "true"
    nginx.ingress.kubernetes.io/backend-protocol: "HTTPS"
spec:
  ingressClassName: nginx
  rules:
    - host: activegate.internal.example.com
      http:
        paths:
          - path: /
            pathType: Prefix
            backend:
              service:
                name: activegate
                port:
                  number: 443
```
### Platform-Specific Configurations

#### Amazon EKS

```yaml
# EKS-specific annotations
apiVersion: v1
kind: Service
metadata:
  name: activegate
  namespace: dynatrace
  annotations:
    service.beta.kubernetes.io/aws-load-balancer-type: "nlb"
    service.beta.kubernetes.io/aws-load-balancer-internal: "true"
    service.beta.kubernetes.io/aws-load-balancer-cross-zone-load-balancing-enabled: "true"
spec:

```

```

type: LoadBalancer
# ...
```

```

#### Azure AKS

```

```yaml
# AKS-specific annotations
apiVersion: v1
kind: Service
metadata:
  name: activegate
  namespace: dynatrace
  annotations:
    service.beta.kubernetes.io/azure-load-balancer-internal: "true"
spec:
  type: LoadBalancer
# ...
```

```

#### Google GKE

```

```yaml
# GKE-specific annotations
apiVersion: v1
kind: Service
metadata:
  name: activegate
  namespace: dynatrace
  annotations:
    cloud.google.com/load-balancer-type: "Internal"
spec:
  type: LoadBalancer
# ...
```

```

### High Availability in Kubernetes

| Configuration           | Setting              |
|-------------------------|----------------------|
| **Replicas**            | 2-3 for production   |
| **Pod Anti-Affinity**   | Spread across nodes  |
| **PodDisruptionBudget** | minAvailable: 1      |
| **Resource Requests**   | Guarantee scheduling |

```

```yaml
# Pod Anti-Affinity for HA
spec:

```

```

affinity:
  podAntiAffinity:
    requiredDuringSchedulingIgnoredDuringExecution:
      - labelSelector:
          matchLabels:
            app: activegate
    topologyKey: kubernetes.io/hostname
---

# PodDisruptionBudget
apiVersion: policy/v1
kind: PodDisruptionBudget
metadata:
  name: activegate-pdb
  namespace: dynatrace
spec:
  minAvailable: 1
  selector:
    matchLabels:
      app: activegate
```

```

## ## 7. Verifying Deployment

After installation, verify ActiveGate is connected and healthy.

```

```dql
// List all ActiveGates and their status
fetch dt.entity.active_gate
| fields entity.name, state
| sort entity.name
```

```

```

```dql
// Check ActiveGate versions
fetch dt.entity.active_gate
| fields entity.name, state
| sort entity.name
```

```

```

```dql
// Count ActiveGates
fetch dt.entity.active_gate
| summarize ag_count = count()
```

```

## ### Verification via UI

\*\*Location:\*\* Deployment status → ActiveGates

```

Check for:
-  Status: Connected
-  Version: Latest or recent
-  Modules: Expected capabilities enabled

### Verification Commands

**Linux:**
```
bash
# Check service status
sudo systemctl status dynatracegateway

# Check connectivity
curl -k https://localhost:9999/communication/health

# View logs
sudo tail -100 /var/log/dynatrace/gateway/gateway.log
```

**Windows:**
```
powershell
# Check service status
Get-Service -Name "Dynatrace ActiveGate"

# Check connectivity
Invoke-WebRequest -Uri "https://localhost:9999/communication/health" -
SkipCertificateCheck
```

## 8. Troubleshooting

### Common Issues

Issue	Cause	Solution
**Not appearing in UI**	Network blocked	Check firewall for 443 outbound
**Shows disconnected**	Service stopped	Restart dynatracegateway service
**OneAgents not routing**	Wrong network zone	Verify zone configuration
**High memory usage**	Too many agents	Add another AG or increase RAM
**Certificate errors**	Self-signed cert issue	Trust Dynatrace CA or use custom cert

### Network Verification

```

```
```bash
# Test outbound to Dynatrace
curl -v https://{{tenant-id}}.live.dynatrace.com/communication/health

# Test ActiveGate is listening
netstat -tlnp | grep 9999

# Test from OneAgent host
curl -k https://{{activegate-ip}}:9999/communication/health
```

```

### ### Log Locations

| OS   Log Path                                         |
|-------------------------------------------------------|
| -----                                                 |
| **Linux**   `/var/log/dynatrace/gateway/`             |
| **Windows**   `C:\ProgramData\dynatrace\gateway\log\` |

### ## 9. Next Steps

With ActiveGate deployed:

1. **ONBRD-04: Deploying OneAgent** – Now deploy agents that route through ActiveGate
2. Configure network zones if using multiple ActiveGates
3. Enable additional modules (synthetic, extensions) as needed
4. Set up monitoring for ActiveGate itself

### ### Deployment Checklist

#### #### Traditional (VM/Bare Metal)

- [ ] ActiveGate deployed in each required network zone
- [ ] At least 2 per zone for HA (production)
- [ ] Status shows "Connected" in Dynatrace
- [ ] Firewall rules configured (443 out, 9999 in)
- [ ] Network zones configured (if applicable)
- [ ] Sizing appropriate for expected OneAgent count

#### #### Kubernetes

- [ ] Dynatrace Operator installed (recommended)
- [ ] DynaKube CR applied with activeGate configuration
- [ ] Replicas set to 2+ for production HA
- [ ] Resource requests/limits configured
- [ ] PodDisruptionBudget created
- [ ] Pod anti-affinity configured for spread across nodes
- [ ] Service type appropriate (ClusterIP vs LoadBalancer)

---

```
## Summary
```

In this notebook, you learned:

- What ActiveGate does and its capabilities
- When ActiveGate is required vs. optional
- Hardware requirements and sizing guidelines
- How to size and plan ActiveGate deployment
- Where to place ActiveGates in your network
- Installation methods for Linux, Windows, and containers
- \*\*Kubernetes deployment\*\* using Operator, Helm, or raw manifests
- Platform-specific configurations for EKS, AKS, and GKE
- How to verify successful deployment

---

```
## References
```

### General

- [ActiveGate Overview](<https://docs.dynatrace.com/docs/setup-and-configuration/dynatrace-activegate>)
- [ActiveGate Installation](<https://docs.dynatrace.com/docs/setup-and-configuration/dynatrace-activegate/installation>)
- [Network Zones](<https://docs.dynatrace.com/docs/manage/network-zones>)
- [ActiveGate Sizing](<https://docs.dynatrace.com/docs/setup-and-configuration/dynatrace-activegate/activegate-sizing>)
- [Private Synthetic Locations](<https://docs.dynatrace.com/docs/platform-modules/digital-experience/synthetic-monitoring/private-synthetic-locations>)

### Kubernetes

- [Dynatrace Operator](<https://docs.dynatrace.com/docs/setup-and-configuration/setup-on-k8s/installation>)
- [Dynatrace Operator GitHub](<https://github.com/Dynatrace/dynatrace-operator>)
- [ActiveGate on Kubernetes](<https://docs.dynatrace.com/docs/setup-and-configuration/setup-on-k8s/guides/operation/activegate>)
- [DynaKube Custom Resource](<https://docs.dynatrace.com/docs/setup-and-configuration/setup-on-k8s/reference/dynakube>)
- [Helm Chart Repository](<https://github.com/Dynatrace/dynatrace-operator/tree/main/config/helm>)