Prepare YugabyteDB Anywhere for On-Premises provider

The prerequisites for your installation depend on the types of provider configuration you will use to deploy database clusters.

This checklist is for creating on-premises providers.

Disclaimer: this checklist

- Covers most common deployment cases, but doesn't include some more complex scenarios (e.g., YBA deployed into one kind of infra, but DB clusters deployed into another)
- Is not fully comprehensive (e.g., it doesn't cover all the pre-reqs for setting up Backup, nor for setting up Encryption at Rest)

See the documentation for complete instructions.

On-Premises provider checklist

You are planning to use an on-premises provider configuration (on private cloud, AWS, GCP, or Azure).

Section 1: Cloud Permissions

N/A

Section 2: Networking

Provide the required network connectivity, with all required network ports.

- [ ] Between DB cluster VMs
- [ ] Between the YBA VM(s) and the DB cluster VMs
- [ ] Between YBA VM(s) and external services
  (for backup, Identity Provider authentication, export of logs or metrics, etc)

- [ ] Between DB cluster VM(s) and external services (for clients, applications, backup, etc)

Section 3: Server for YBA

You need a VM to host YBA.

- [ ] Deployed VM that meets CPU architecture, # of cores, memory, disk size, and OS prerequisites for YBA
- [ ] Have the YBA license file provided to you by Yugabyte sales representative
- [ ] Installed the appropriate version of Python (3.8-3.11; or, for v2.25.1 and later 3.10-3.12)
- [ ] Sudo root access on the VM, so that you can install YBA (non-sudo installation is also supported)
- [ ] If you plan to deploy YBA High Availability mode, provisioned a second identical VM for the passive YBA instance

If you have fulfilled these requirements, you are now ready to install YugabyteDB Anywhere on the server.

Section 4: Servers for DB cluster nodes

For database cluster VMs:

- [ ] Deployed VMs that meet CPU architecture, # of cores, memory, disk size, and, for public cloud VMs, meets public cloud guidelines
- [ ] Have supported Linux OS
- [ ] Pre-installed *Additional software*
- [ ] If not connected to the Internet, pre-installed *Additional software for airgapped*
- [ ] If you are using your own CA certificates, copied the certificates to the VMs
- [ ] Created data directories or mount points

If you have fulfilled these requirements, you are now ready to run the provisioning script on your nodes.

If you have installed YugabyteDB Anywhere (Section 3), you can configure the script to create the provider in addition to provisioning nodes.