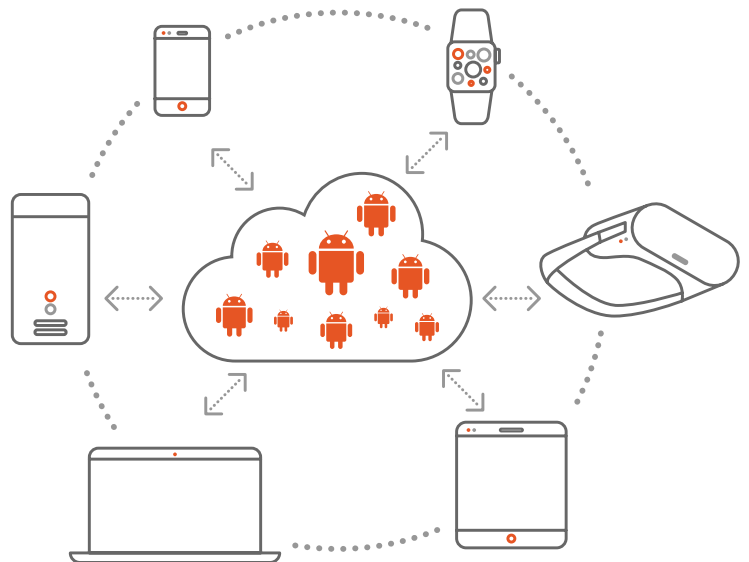


Anbox Cloud

Scalable Android™ in the Cloud

Anbox Cloud is a cloud platform that containerises mobile workloads using Android as a guest operating system. Android instances and applications are orchestrated in system containers, with isolation levels similar to virtual machines, and overhead as low as with process containers.



Platform agnostic

Arm

Android applications can be deployed natively at scale on cloud servers based on ARM processors. The solution stack can be optimised to maximise container density and streaming quality.

x86

Anbox Cloud runs on 64 bit x86 hardware. When embedded into the software stack, binary translators from our partner Intel make it possible to run Android applications seamlessly on the wide range of x86 servers in the cloud.

On any cloud

Public cloud

Anbox Cloud is easily deployed on popular public clouds like AWS, GCP and Azure. We are partnering with cloud service providers to allow you to take advantage of public infrastructure to deliver your application.

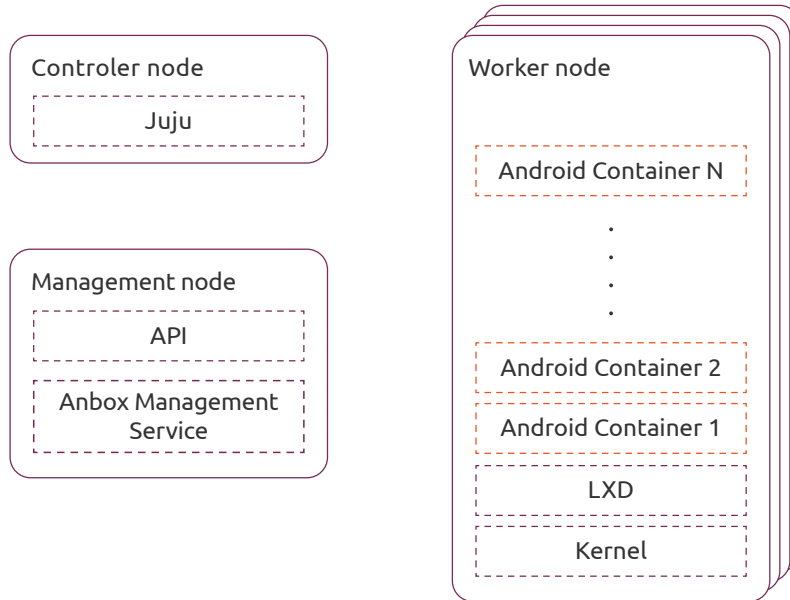
Private clouds

Deploy Android at scale on your enterprise cloud, at the edge or within your Radio Access Network. Innovative use cases that require more privacy and low latency can be implemented with Anbox Cloud.

Deployment architecture

Anbox Cloud is deployed in distributed nodes, hosted on bare metal or in virtual machines. Two deployment options are currently supported: core and streaming.

Core Stack

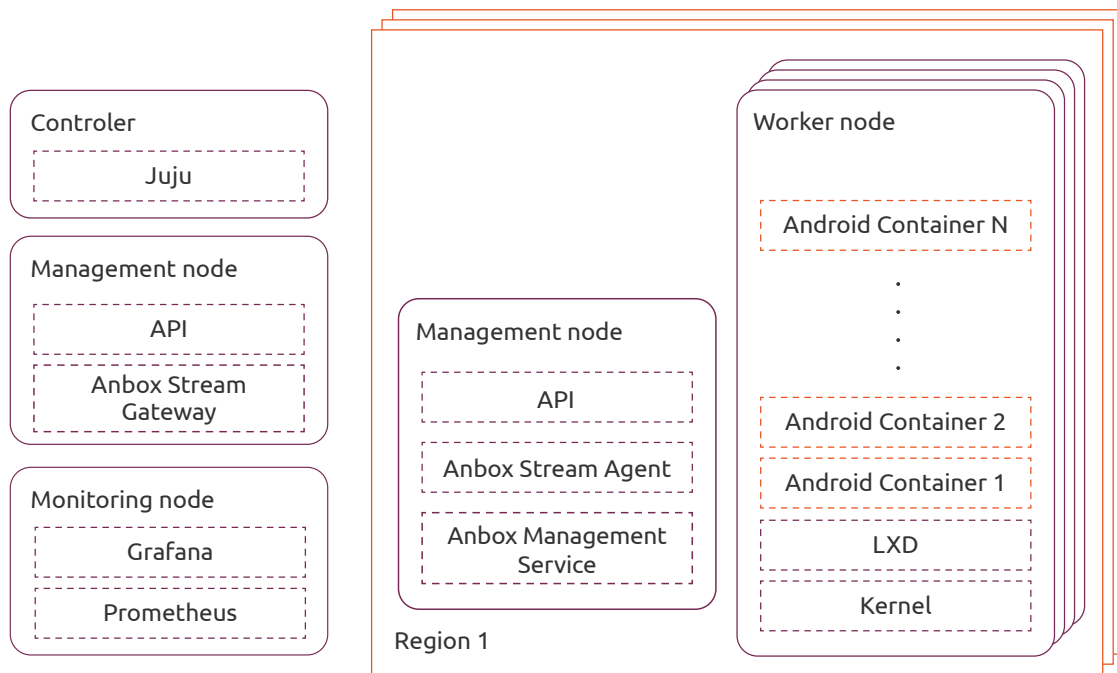


The core deployment scenario provides a minimal infrastructure to containerise Android in the cloud. This scenario provides Anbox Cloud as a core component on top of which custom solutions can be built.

Minimum requirements

	Arch	CPU cores	GPUs	RAM	Disk
Controller node	amd64/arm64	4	No	4GB	50GB SSD
Monitoring node	amd64/arm64	4	No	4GB	100GB SSD
Management node	amd64/arm64	4	No	4GB	100GB SSD
Management node	amd64/arm64	4	No	8GB	100GB SSD
Worker node	amd64/arm64	8	Yes	32GB	200GB NVMe

Streaming Stack



The streaming deployment scenario integrates streaming capabilities on top of the base containerisation infrastructure. This scenario intends to accelerate the delivery of solutions that require graphical output streaming.

Minimum requirements

	Arch	CPU cores	GPUs	RAM	Disk
Controller node	amd64/arm64	4	No	4GB	50GB SSD
Monitoring node	amd64/arm64	4	No	4GB	100GB SSD
Management node	amd64/arm64	4	No	4GB	100GB SSD
Management node	amd64/arm64	4	No	8GB	100GB SSD
Worker node	amd64/arm64	8	Yes	32GB	200GB NVMe

Leverages system containers

LXD system containers provide the same level of isolation than virtual machines. Overhead is as low as that of process containers. Therefore LXD allows Android containers to be secure, and lightweight. These capabilities bring the benefits of high container density and ease of manageability to Anbox Cloud.

Scales across regions

Anbox Cloud scales across multiple regions with minimal operational effort. A rich API is provided to manage server scale out. Infrastructure operations can be managed independently without reliance on additional 3rd party solutions.

Streaming capabilities

Supported video Codecs:

- VP8
- H.264

Hardware acceleration

Support for multiple vendors:

- AMD
- Nvidia
- Intel

Enterprise support

- Standard office hour support
- Advanced round-the-clock support option
- Kernel livepatch service
- Extended Security Maintenance (ESM)

Managed offering

Not all organisations have the technical know how to deploy and manage a cloud platform. Outsource the deployment and operations of your cloud infrastructure for delivering Android at scale to us. Focus on delivering your applications.

Simple pricing (USD/node)

yearly (hourly)	Office hour support	24/7 support	Managed offering
Virtual server	500 (0.05)	1000 (0.11)	2500 (0.28)
Physical server	1500 (0.17)	3000 (0.32)	4500 (0.51)