

VMware Tanzu GemFire

Fast, Fresh Data On-Demand for Modern Apps

FAST ACCESS TO DATA

- In-memory performance
- Dynamically scalable
- Real-time event notifications
- Predictable low latency
- Strong consistency guarantees

GET STARTED QUICKLY

- Cloud ready
- Purpose built for each caching pattern
- Multiple language support
- Develop with the Spring Java framework
- Deploy on the Tanzu Platform

ENTERPRISE READY

- Multisite replication
- Automatic node failover
- Resilient to server and availability zone failures
- Enterprise-class security features

In-memory speed with enterprise-grade features

Cloud-native applications are blasted with massively concurrent, highly variable requests and transactions from users, devices, and apps at massive scale. Based on open-source Apache Geode, Tanzu GemFire was designed to meet the unpredictable nature of modern data with a low-latency, high throughput cache for fast data reads and writes. Beyond its blazing speed, Tanzu GemFire also offers strong consistency guarantees that help maintain transaction integrity across distributed nodes.

Tanzu GemFire is ready for the enterprise with features like multi-site replication, automatic node failover, and security controls for authentication, authorization, and data encryption to promote data availability, integrity, and security.

Fast data for event-driven applications

Your applications can subscribe to real-time events to react to changes immediately. Tanzu GemFire's continuous queries notify your application when new data is available. Your applications always have access to fast, fresh data.

Together with messaging systems like *VMware Tanzu RabbitMQ*, you can build entire applications out of loosely coupled, event-driven services that can be developed, deployed, and scaled independently of one another.

Cloud-ready

Available as a service on the Tanzu Platform, for on-demand access to Tanzu GemFire's high-performance, highly available, event-driven data grid. Tanzu GemFire is deployable on the Tanzu Platform, and soon on any Kubernetes (now in beta).

Dynamic scaling with one simple command

Tanzu GemFire is horizontally scalable, making it easy to add capacity by adding servers to a cluster on the Tanzu Platform with a simple `cf update-service` command. Provisioning new clusters or adding servers takes mere minutes. Tanzu GemFire is purpose built, with separate caching plans for each common caching pattern, and a large number of settings are preconfigured based on each pattern. Tanzu GemFire is available in several plans to fit specific requirements. Plans can be configured further to meet the needs of your applications.

Integration with Spring simplifies development

Spring Data Geode and Spring Boot for Apache Geode, part of the popular Spring framework for Java developers, abstracts many of the lower-level implementation details to simplify how developers work with Tanzu GemFire. Let Spring handle the drudgery so you can get on with building great apps!

High availability and business continuity for peace of mind

Available as a service on the Tanzu Platform, for on-demand access to Tanzu GemFire's high-performance, highly available, event-driven data grid. Tanzu GemFire is deployable on the Tanzu Platform, and soon on any Kubernetes (now in beta).

Manage capacity allocation to control costs

Tanzu GemFire allows operators to configure a range of service plans to fit the needs of their application developers. Capacity consumption and the associated costs can be controlled by setting instance quotas. Quotas are set at two levels: the maximum number of instances across all the organizations for a plan, and the maximum number of servers that can be deployed in a service instance for a plan.

Learn more and get started today!

Start your development journey today with Tanzu GemFire. Visit the [VMware Tanzu GemFire product page](#) to learn more, or contact your VMware representative to begin building high performance applications today.