

# Apache Ignite Home

## Overview

Project web site: <https://ignite.apache.org/>

Community: <http://ignite.apache.org/community/resources.html>

TeamCity (CI): <http://ci.ignite.apache.org>

GIT: <https://gitbox.apache.org/repos/asf/ignite.git>

Team: TODO

## Development Process

- How to Collaborate
- How to Contribute OLD
- How to Contribute
- How to Document
- Website Development
- Abbreviation Rules
- Coding Guidelines
- Project Setup
- Git branches to delete
- Issues waiting for review
- Blog Topics
- External Integrations
- Ignite.NET Development
- Committership Bar Guidance
- Review Checklist
- Javadoc Guidelines (Proposed)
- Development Guidelines
- Ignite PMC Resources
  - ASF Board Report Drafts
- FAQ
- How to subscribe for [JIRA] [Created] notifications

## Design Documents

- Spark Shared RDD
- Mesos integration
- YARN Integration
- Web Console
- Streamers Implementation Guidelines
- Docker image
- JBPM Integration
- Drools distributed computations in Ignite Cluster
- Storm Integration Guidelines
- Pluggable IgniteObjects
- Extendable TypeConfiguration
  - Cache Key Configuration
  - Jdbc Store Configuration
  - Query Entity Configuration
- Portable object constant-time field lookup
- OSGI Compatibility
- Distributed MVCC And Transactional SQL Design
- Persistent Store Architecture
- Persistent Store Overview
- Logical Caches
- Allow Configuration Settings Change At Runtime
- Automatic activation design - draft
- Ignite Multi-Tier Storage - under the hood
- Deadlock Detection And Cluster Protection
- Ignite Persistent Store - under the hood
- Ignite WAL reader
- Ignite Key-Value Transactions Architecture
- (Partition Map) Exchange - under the hood
- Thin clients features
- Cluster re-balance in Ignite
- Service Grid redesign. Phase 1. Implementation details.
- PDS Compatibility Guide (WIP)
- TCP Discovery SPI under the hood
- Data consistency
- Binary object format

- [Micronaut Integration](#)

## Testing and benchmarking

- [Load/consistency test design](#)
- [Implementing Tests](#)
- [Release Plan](#)
- [How to run benchmarks](#)
- [Make Teamcity Green Again](#)
- [Overview sqlline tool](#)
- [Ignite Tests How To](#)
- [Continuous Integration](#)
- [Apache Ignite Teamcity Bot](#)
- [Benchmark Apache Ignite 2.7.6 vs Apache Ignite 2.8 \[yardstick\]](#)

## Infrastructure

- [CI/CD](#)