

ControlPlane

Deploy, operate, back up, and restore the entire Grid Data family from a single console.

ControlPlane is the deployment and operations console for the Grid Data family. It packages every application into versioned releases and installs them onto the utility's clusters — cloud, on-premises, or edge — or onto a single server, and then stays with them in production: cluster health, live logs, embedded monitoring, credentials, resizing, and point-in-time database backup and restore. What used to take days of hand-built configuration, and a runbook for every bad day, becomes one guided, repeatable, auditable console any operations team can run.

KEY FEATURES

Multi-cluster dashboard

Register any number of clusters and see at a glance which are connected; drill into a cluster's nodes, releases, and live CPU and memory.

App catalog & versioned releases

Upload releases once and deploy them anywhere — GDM, GDS, and every family application — so each environment runs a known, reproducible stack.

Guided deployments

Install, upgrade, resize, and roll back complete releases with configuration overrides and full release history — cloud, on-premises, or edge.

Environments & credentials

Environments group deploy targets and own their credentials; secrets are visible across every cluster, encrypted at rest, and access-controlled.

Backup & point-in-time restore

Scheduled and on-demand database backups; restore any environment to a precise moment while production keeps serving, and verify before switching over — for GDM, the Platform Manager, and any application that opts in.

Embedded monitoring

Health dashboards and alerting embedded in the console under single sign-on — and they keep reporting through an outage of the application environment.

Operational logs

Tail live logs and system events across components from the browser — no command line, no shell access.

Pipeline-driven releases

Family build pipelines release and upgrade their test environments through ControlPlane — the same path an operator clicks through.

Clusters or a single server

The same releases deploy to production clusters or to one server — from production estates to field demos.

Guided web console

A console in the family's design system walks operators through clusters, releases, settings, and release status — no specialist expertise required.

USE CASES

- **Utility production rollouts** — stand up the full Grid Data stack in a customer's environment with a documented, repeatable procedure.
- **Managed upgrades** — move a live deployment from one release to the next with upgrade and rollback safety.
- **Recovering from a bad day** — restore a database to the moment before the mistake, verify it while production keeps serving, then switch over.

- **Continuous delivery** — every merge upgrades its test environment through the same console.
- **On-premises and air-gapped sites** — deploy with no external dependencies — a common requirement for critical infrastructure.
- **Demo and evaluation environments** — a complete, disposable stack on one server for demonstrations and proofs of concept.

BETTER TOGETHER

ControlPlane is how the Grid Data family arrives and how it stays healthy: it deploys the Grid Data Management Platform, Grid Data Simulator, Enhanced Analytics, and every extension application as coordinated releases on the shared infrastructure the Grid Data Platform Manager hosts, protects their databases, and hands running applications to the Platform Manager for registration and lifecycle tracking.