



# DecisionBrain Gene

DecisionBrain Gene reduces by 70% the time and effort required to develop and deploy a decision-support application.

## Component-based platform, ready to be configured and customized

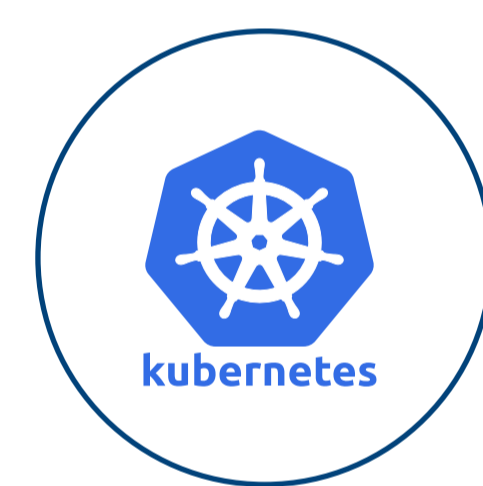
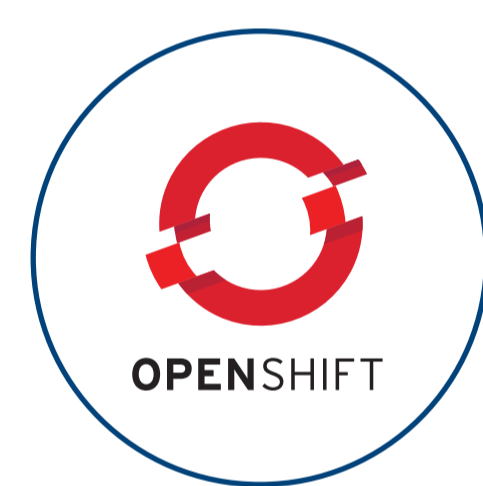
Relying on open-source technology, DecisionBrain Gene enables users to make smarter and faster decisions by combining data, analytics and cutting-edge optimization technology:

- Data Management
- What-if analysis capabilities
- Modern and intuitive configurable Web UI
- Solver agnostic
- Easy deployment on premise or on the cloud
- Java and Python compatibility

## Supporting all phases of application development and deployment

DecisionBrain Gene reduces the effort, time and risk associated with delivering state-of-the-art Decision Support Applications

- **Create:** build and run complete applications in minutes
- **Configure:** coding limited to the strict minimum
- **Customize:** open-source standards – Java, Open Shift
- **Test:** easily test project structures
- **Package & Deliver:** hassle free industry standards
- **Maintain:** through monitoring and issue tracking



## Components



### Optimization Server

Run & monitor multiple CPU intensive computational jobs.



### Scenario Service

Design what-if scenarios, compare results and define optimal parameters.



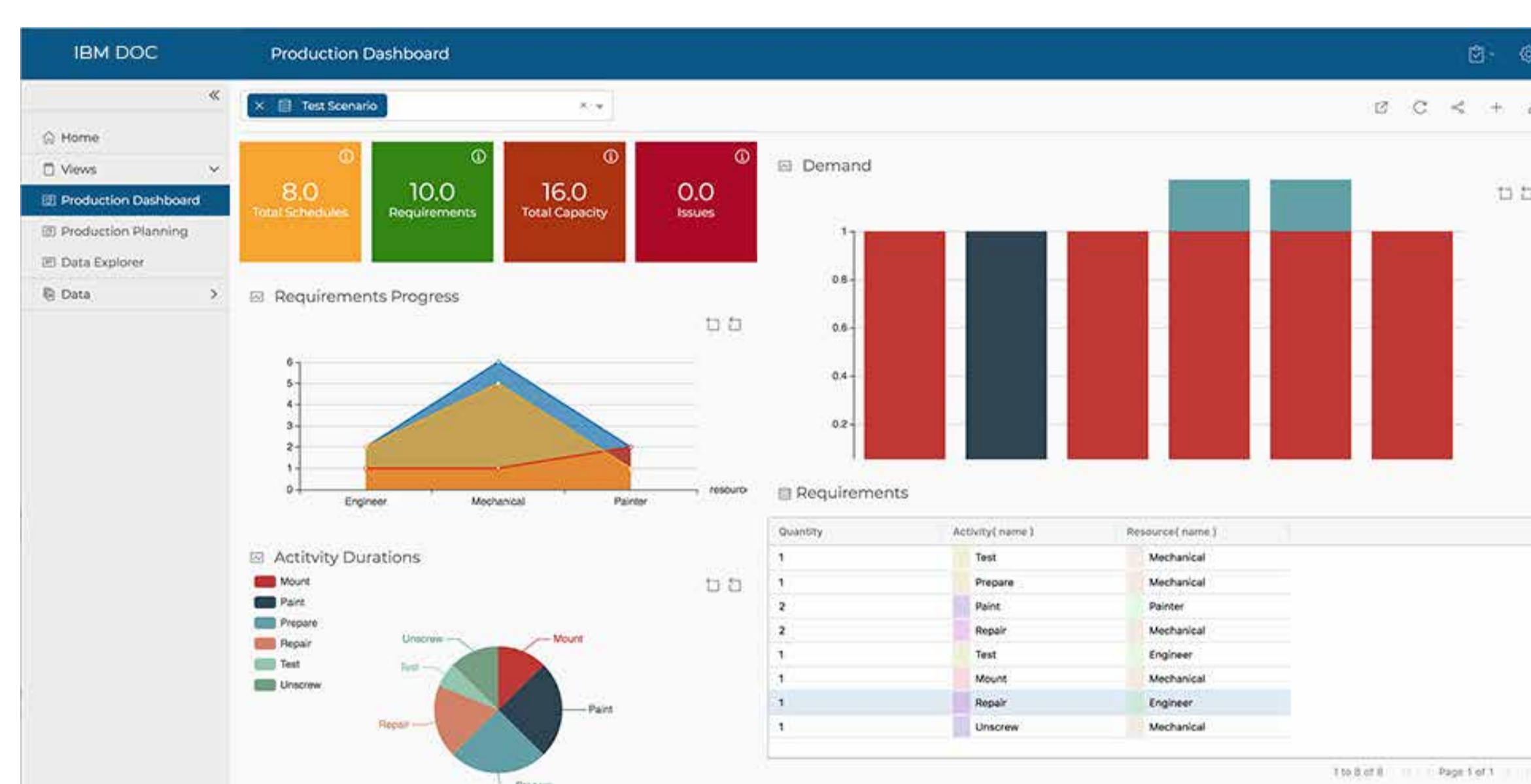
### Data Server

Centrally manage data coming from several sources, internal and external.



### Web Front-End Service

Create modern, intuitive and easy-to-use UX through per-defined web components.





# DecisionBrain Gene

An Optimization Platform to Create, Deploy and Maintain fully Scalable Decision Support Solutions. Quickly, Easily, Efficiently.

DecisionBrain Gene delivers significant benefits to...



## OR Experts & Data Scientists

Focus on modeling competencies, rather than on IT complexities.

**Prototyping:** launch a new app and run it on a laptop in minutes.

**Monitoring:** monitor KPIs for deployed applications, replay executions.



## Development Teams

Benefit from open/modern technologies for scalability, extensibility and robustness.

**Developing and Testing:** unsynchronized development and parallel testing thanks to a clear separation of projects.

**Deployment:** local (Docker-compose) or industrial (Kubernetes/ OpenShift).



## IT & Deployment Teams

Build robust, easy to deploy/maintain applications.

**Deployment:** local or industrial, on the cloud or on premise, thanks to Docker-compose, Kubernetes and OpenShift.

**Maintenance and Evolutions:** fail-over and replay execution capabilities.



## Innovation Directors, Analytics Leaders & Project Managers

Standardize development and deployment practices improving teams' efficiency.

**Feedback:** from business users during application development.

**Collaboration:** among data scientists, optimization experts, IT and deployment teams.



## Business Users

Industrialized innovation at your fingertips.

**Compare scenarios:** choose the highest business impact one.

**UI components:** modern, intuitive, and easy to-use.