

IBM Decision Optimization Center

powered by  DecisionBrain™

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

Component-based platform, ready to be configured and customized

Relying on open-source technology, DOC 4.0 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
- Cutting-edge CPLEX Optimizer technology
- Easy deployment on premise or on the cloud
- Java and Python compatibility

Supporting all phases of application development and deployment

DOC 4.0 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.



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IBM Decision Optimization Center 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.