

Article

[Yuri Marx](#) · Nov 12, 2021 1m read

InterSystems IRIS Building Blocks to TOGAF Architecture Domains

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Business Domain

IRIS Adaptive Analytics	IRIS BI (DeepSee)	IRIS Integrated ML/ML tools	IRIS Reports	IRIS Text Analytics
Real-time analytics into Excel, PowerBI, Tableau	Batch analytics to MDX and IRIS User Portal	Auto Machine Learning with SQL and Python	Business WYSIWYG Reports	NLP engine/sentiment analysis

Get insights and realize your strategy with Analytics, Reports and Machine Learning

Application Domain

Choose your favorite language	IRIS Embedded Python	IRIS Object Script	Do and govern API and integrations	IRIS API Manager	IRIS ESB BPL	IRIS ESB Business Operation
	Python as the IRIS opt to build apps and AI	IRIS OO language to build applications		API Gateway and management	Workflow for interoperability	Output interoperability to data and systems
	IRIS Java Native API	IRIS .NET Native API		IRIS Spark Connector	IRIS ESB DTL	IRIS ESB Business Service
	Use Java inside IRIS and IRIS inside Java	Use .NET inside IRIS and IRIS inside .NET		Big Data spark maps processing	Data transformation for interoperability	Input interoperability from data and systems
	IRIS Node.js Native API	IRIS C Native API		IRIS MQTT Connector	IRIS Built-In Adapters	IRIS REST API Development
	Use Node.js inside IRIS and IRIS inside Node.js	Use C inside IRIS and IRIS inside C		IoT real-time applications	Data in/out for SQL, Text, Mail, FTP, MFT, HTTP, etc	Create REST Apps spec first or code first

Data Domain

IRIS SQL DB	IRIS DocDB	IRIS OO DB	IRIS OLAP DB	IRIS Apache UIMA
SQL distributed database with Sharding	JSON distributed database with Sharding	Persistent DB Classes with distributed Shards	OLAP Facts, Dimensions with distributed Shards	Unstructured semantic data processing

Store data AS-IS and scale it with shards

Technology Domain

Containers	IRIS IKO	IRIS ICM	IRIS HA	IRIS SAM
IRIS apps as microservices in Docker	IRIS containers managed in Kubernetes	Deploy IRIS into AWS, Azure and Cloud env.	HA with shards and Mirrors/ECP	Monitoring with Grafana and Prometheus

Elastic scaling using public/private/hybrid Cloud technology

The TOGAF is the The Open Group Architecture Framework. It provides an approach for planning, design, implement, deploy and govern your EA (Enterprise Architecture) projects.

The TOGAF has a concept called Building Block. It is any element that can be used, reused a executed to deliver value and new functions to the business.

In the picture above, I present to you the main IRIS building blocks to create fantastic apps.

To learn more about TOGAF and building blocks, see <https://www.opengroup.org/togaf>.

[#InterSystems Business Solutions and Architectures](#) [#InterSystems IRIS](#)

Source

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