Dynamic Authorization for Critical Infrastructure

Protect energy, water, transport, and telecom operations with dynamic authorization that secures IT, OT, and AI.



Authorization Complexity Across IT, OT, and Physical Access

Essential entities must secure converging IT and OT environments while proving continous compliance to regulators, auditors, and boards.

- → Legacy OT systems and modern IT/cloud platforms rely on seperate, inconsistent access control models, exploitable gaps.
- → Manual role assignments and static permissions can't keep pace with contractors, vendors, and shift-based field opertions.
- → Physical access badges and IT credentials are managed in silos, making consistent least-privilege enforcement difficult to prove.
- → Remote vendors and maintenance teams need temporary access to systems without creating standing privileges or unnecessary exposure.
- → Emergency response requires rapid access to critical systems while maintaining strict controls, accountability, and a complete audit trail.

Comparison Matrix: RBAC vs Policy-driven Authorization

FEATURES	RBAC	POLICY-DRIVEN AUTHORIZATIONS
Context awareness	✗ Static	✓ Real-time
Granularity	✗ Coarse	✓ Fine-grained
Scalability	✗ Low (role explosion)	✓ High (policies scale through data)
Auditability	✗ Hard to prove	✓ Audit logs

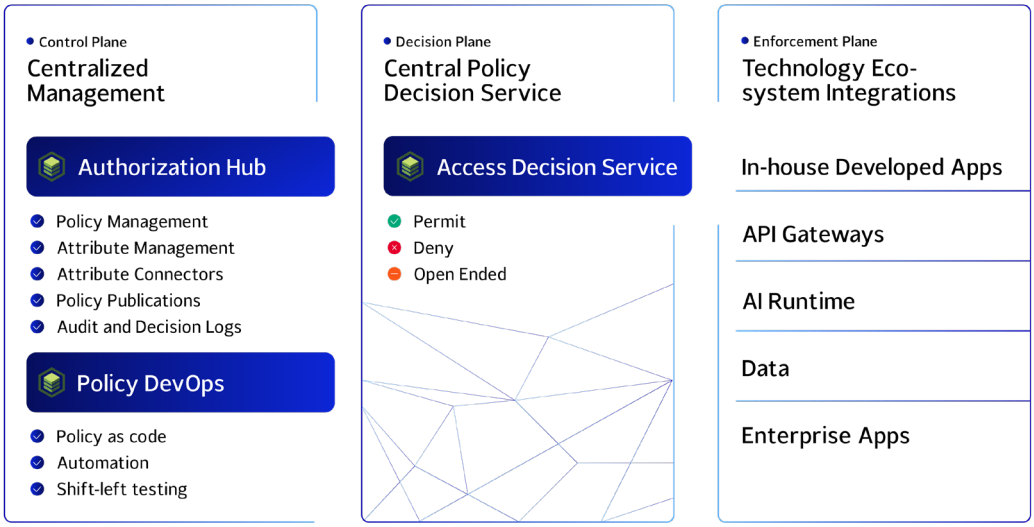
Built to Support Critical Infrastructure Compliance

Policy-driven authorization helps critical infrastructure operators enforce access controls and demonstrate compliance across requirements including:

- → ISO 27001
- → SOCi Act
- → NIST CSF
- → NIS2
- → IEC 62443
- → NERC CIP

AXIOMATICS
a LEONARDO company

Axiomatics Authorization Management Platform



Axiomatics externalizes authorization from your applications: define fine-grained access policies once in the Hub, evaluate them in real time through the Decision Service, and enforce them consistently across your apps, APIs, data, and AI agents, all built on open standards, ALFA, XACML, and AuthZEN, instead of a proprietary format.

Authorization Built for Critcial Infrastructure Organizations

One policy engine governs human users, service accounts, APIs, and AI agents across IT, OT, and physical access systems, so operators can enforce Zero Trust and prove compliance without slowing down field operations.



OT/ICS access control: Control access to operational technology and control systems based on role, location, and real-time context.

AI agent governance: Control what AI agents can access and act on across IT and OT environments based on purpose, permission, and risk.

Remote vendor access: Give vendors and contractors time-bound, least-privilege access to specific systems and assets without exposing the broader environment.

Converged physical & cyber access: Apply consistent authorization across facilities, devices, applications, and data based on identity and operational context.

Grid & field operations: Give operators and field teams the right access to critical systems based on location, assignment, asset, and operational context.

Incident response access: Enable emergency access during outages or incidents with appropriate safeguards and an audit trail.

About Axiomatics

Axiomatics - a Leonardo Company is the originator and leading provider of runtime, fine-grained authorization delivered with attribute-based access control (ABAC) for applications, APIs, data, and AI systems. The world's largest enterprises and government agencies rely on the Axiomatics Authorization Management Platform to centrally define and enforce dynamic access control.

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