

# TagoIO Research – Access Module

This section of the research explores the **Access** feature in TagoIO. The Access module is crucial for defining policies, targets, and permissions, ensuring secure and granular control of user interactions with devices, analyses, and data streams. Below are the screenshots and interpretations based on hands-on exploration.

The screenshot shows the TagoIO interface with the 'Access' module selected. The 'Policy' tab is active, displaying the configuration for a policy named 'Rayan'. The 'Policy name' field is set to 'Rayan'. The 'Targets' section shows a rule: 'Analysis' with field 'Tag Match' equal to '35'. The 'Permissions' section shows a rule: 'Run User' with field 'Tag' equal to '35'. A 'Save' button is visible at the bottom right.

**Observation:** The Policy tab allows defining custom policies with a name, targets, and permission rules. Here, a policy named "Rayan" was created, targeting **Analysis** with tag-based field matching (Temperature = 35). **Interpretation:** This is useful for restricting or allowing access based on specific data variables, ensuring only authorized conditions trigger the intended actions. Such granular control is vital for industrial-grade SaaS OPC UA servers.

The screenshot shows the TagoIO interface with the 'Access' module selected. The 'Tags' tab is active, displaying the configuration for a tag named 'Rayan Db'. The 'Tags' section shows a rule: 'Temperature' with field 'Tag Match' equal to '35'. A 'Save' button is visible at the bottom right. A success message 'Your action was successfully updated!' is displayed at the bottom.

**\*\*Observation:\*\*** The system confirmed the action update with a success message, ensuring that the applied policies were saved and enforced. **\*\*Interpretation:\*\*** This feedback loop enhances usability, reassuring users that their permissions and security configurations are active. This is particularly important when multiple team members are managing access policies.

**\*\*How We Could Stand Out:\*\*** While TagoIO provides basic yet effective access control, our platform could differentiate by offering: - **\*\*Prebuilt Access Templates\*\*** for common industrial use cases (e.g., machine operators, supervisors). - **\*\*Dynamic Policy Enforcement\*\*** that adapts automatically to detected anomalies. - **\*\*Audit Trail & Reporting\*\*** that logs all access attempts and modifications for compliance. This would strengthen both usability and trust, especially for enterprises with strict security requirements.