

## About Propagation Settings

Entity classification and tags can be inherited from other entities using entity relationships. Any relationship between two entities can be configured to propagate Control Assignments, Control Results, Risk, Tags, or Criticality. The system is designed to make circular references impossible. Entities cannot inherit what they propagate.



The screenshot displays the configuration page for a network device named "Router 25006". The page is divided into a left-hand navigation menu and a main content area. The navigation menu includes options such as "General", "Owners", "Description", "Addresses", "Classification", "Costs & Impact", "Relationships", "Propagation", "Documents", "Assessments", "Vulnerabilities", "System Details", "Data Feeds", and "Exceptions". The "Classification" option is currently selected. The main content area shows the following settings:

- Business Criticality:** High (indicated by a red progress bar).
- Security Requirements:** A section with a "Refresh" button containing:
  - Confidentiality: Medium (indicated by a yellow progress bar).
  - Integrity: High (indicated by a red progress bar).
  - Availability: High (indicated by a red progress bar).
  - Accountability: Medium (indicated by a yellow progress bar).
- Classification:** Classification Label N/A, Internal or external N/A.
- Tags:** A section with a right-pointing arrow.
- Change History:** A section with a right-pointing arrow.

To specify the propagation associated with an entity relationship, navigate to **Configuration > Entity Configuration > Relationships**. Click on a relationship to display the Relationship Type dialog.

**Relationship Type** ✖

Relationship Type Name Child of

Description\* Parent child relationship between entitie

**Relationship propagation**

Control Results

Risks

**Classification inheritance**

Tags

Criticality

Criticality values for related entities

Use the criticality of this entity

Use the highest criticality

Use the lowest criticality

**OK** Cancel

Control results and risks are propagated, but only within a particular program. Propagating control results or risks across programs can be performed manually. If a Control Profile is specified, the system uses the control profile and ignores the control assignment.

When propagating criticality, choose the value to use:

- The "from" entity's criticality
- The highest criticality between the "from" and the "to" entity
- The lowest criticality between the "from" and the "to" entity

If your program owner configures each entity with different criticality values and then establishes parent-child relationship type between entities in such a way that the parent entity propagates either criticality or tags, and control results to child entities. It is recommended to first run the Update Objects job before you include entity pairs in an assessment. By doing so, you can ensure that all the child entities inherit the criticality value of the parent entity and that when you run the assessment, the control results will propagate effectively.

Adding entities and then creating a new relationship with an existing entity relationship type requires running the Update Objects job to propagate the scores effectively to the newly added entities.

A child entity inherits the security risk score if you configure the parent entity to propagate the risk score.