Prototype implemented rules

any rule that involves the relations to be validated are not currently working, due to an issue in the current version of at3.

activity

SR3.1. (Critical) The name of the activity diagram must be the same as a service within a role or agent diagram. This is reported as an error.

agent

SR4.1. (Critical) Each agent that is connected to a role by a “plays” relation must also be connected to every capability that the role is connected to by a “requires” relation in the role diagram by a “possess” relation. This is reported as an error.

SR4.2. (Critical) Each role should exist in a role diagram present in the current directory. This is reported as a warning

SR4.4. (Critical) Each agent must be connected to a role with the “play” relation or be connected to a capability with the “possess” relation. This is reported as an error.

goal

SR5.1. (Critical) Goals within the goal diagram must be connected to all other goals in the diagram in tree form. Tree form consists of both nodes and leaves. A node is a goal that is connected to at least one child leaf or node. A leaf has no children nodes or leaves. This is reported as an error.

organ

SR6.1. (Critical) Each goal must be also be in a goal diagram present in the current directory. This is reported as an error.

role

SR7.1. (Critical) Each role must be connected to at least one other role by the “protocol” relation. This is reported as a warning.

seq

SR8.1. (Critical) There must be exactly two roles within a sequence diagram. These roles must also exist within role diagrams. This is reported as an error.