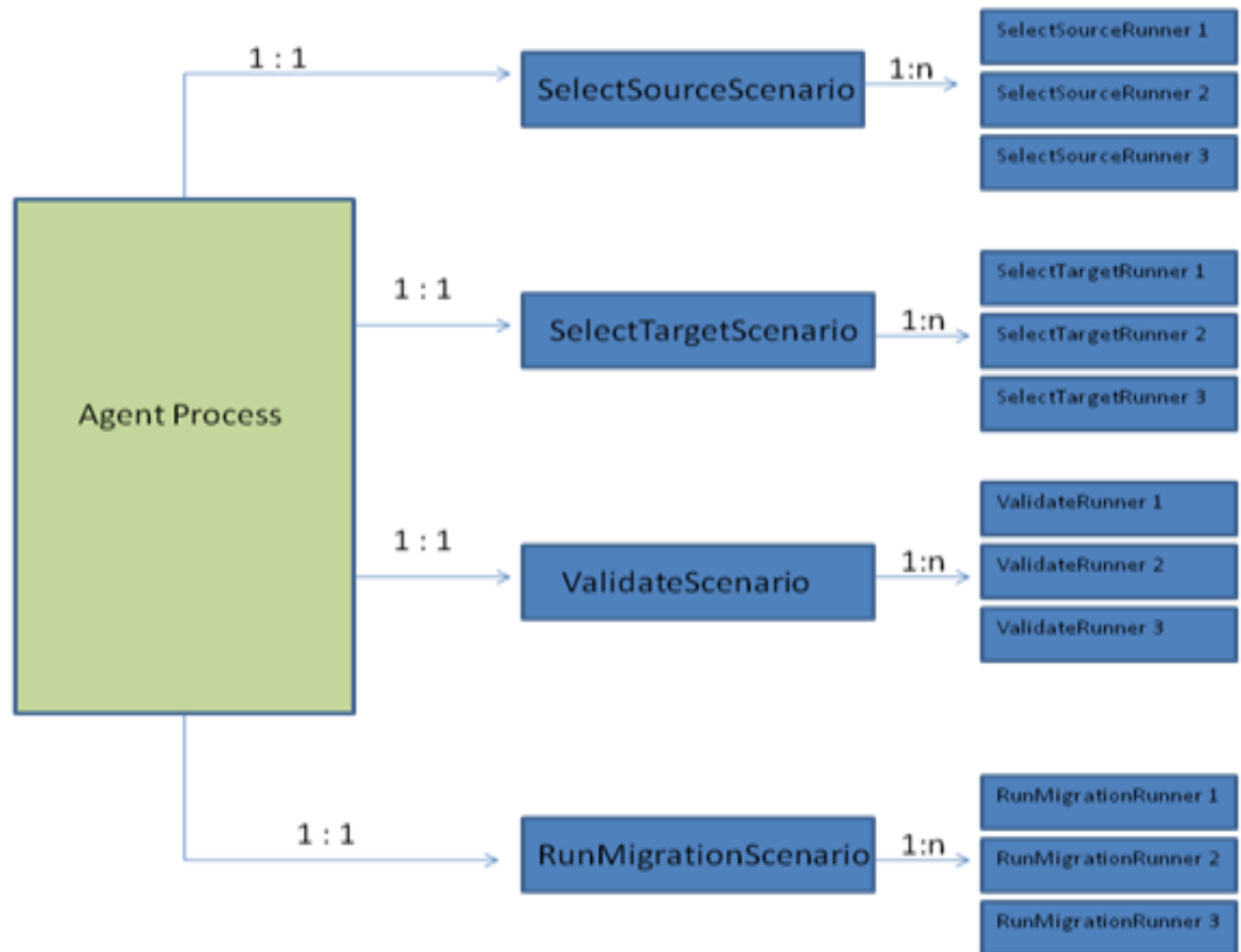


Scenario Agent

Last updated by | Vitor Tomaz | Aug 5, 2020 at 12:41 PM PDT

- A scenario agent process is the back-end deployed in the customer's subscription. It is implemented as a console application that runs within a VM we provision inside the customer's subscription.

If the resource provider gets a request to run a migration, it locates the queue used to communicate with the agent and pushes the request on that queue. The agent service processes the messages from the queue. It starts the scenario identified in the data on the given message.



Each scenario:

- Has a unique ScenarioId (human readable string) defined in Microsoft.SqlServer.Migration.Service.Scenarios.Contracts.AdvisorScenarioConstants
- Is defined in Microsoft.SqlServer.Migration.Service.Scenarios assembly that composes a container that has all necessary exports for running the scenario.

Each message/request composes its own container and all the objects are non-shared between different runs regardless of PartCreationPolicy. There is only one instance per scenario for the entire run of the agent service.

- Uses a scenario specific "runner" that is responsible to stitch the correct sequence of actions representing scenario together. It is **Non-Shared** and is instantiated each time a scenario message is processed.
- Uses MEF factory for creating multiple instances of an Action/Validator/Collector in a single run for example when migrating multiple databases in parallel, each database gets its own backup and restore action using factory pattern.

How good have you found this content?

