StepTalk Scripting Introduction



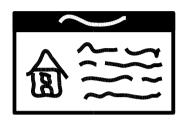
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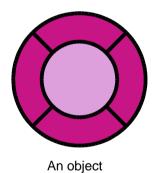


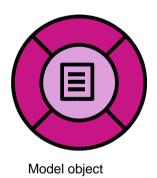




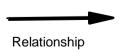
User interface, application, window

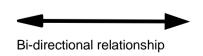


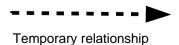






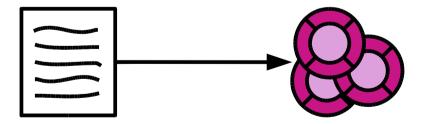




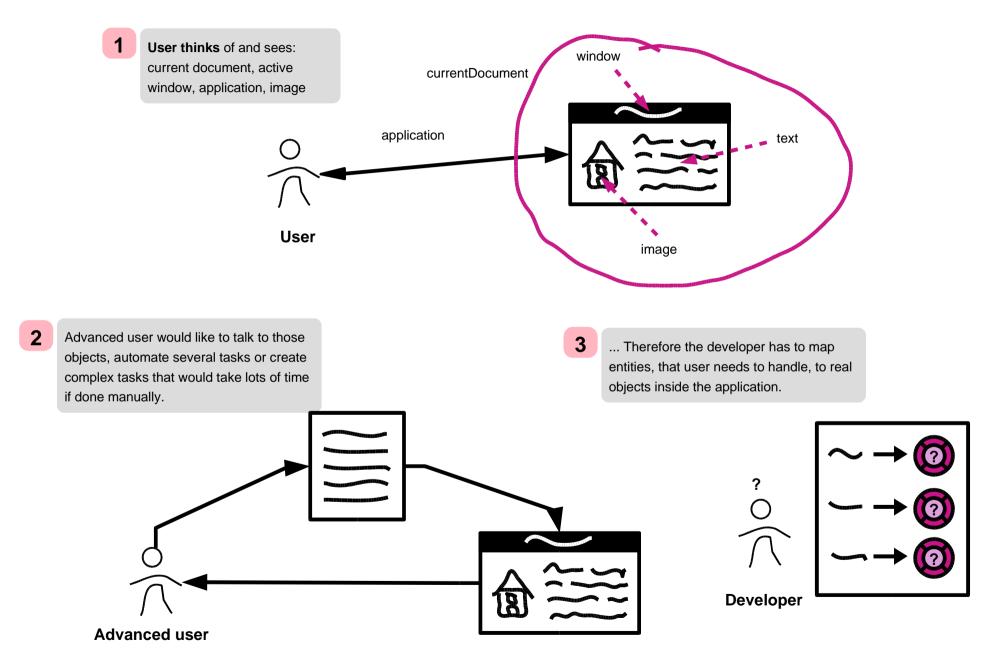


Scripting Session

How to create a scripting session and how to communicate with objects using scripts



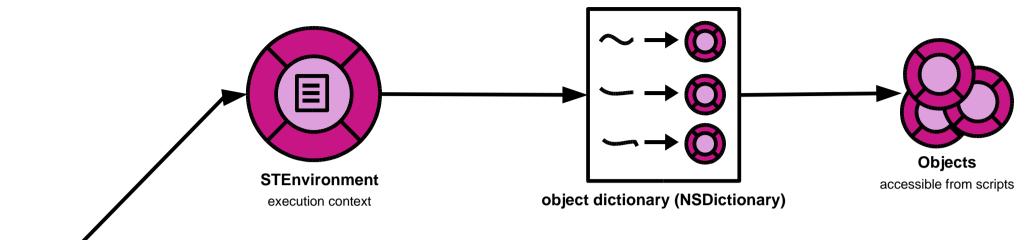
Before StepTalk Scripting



Before StepTalk Scripting

Each user-visible entity is Application somehow represented inside the application. Let us assume that each entity on the screen is a presentation of an object in the application. The developer prepares a mapping between words and objects inside a given context.

StepTalk Scripting



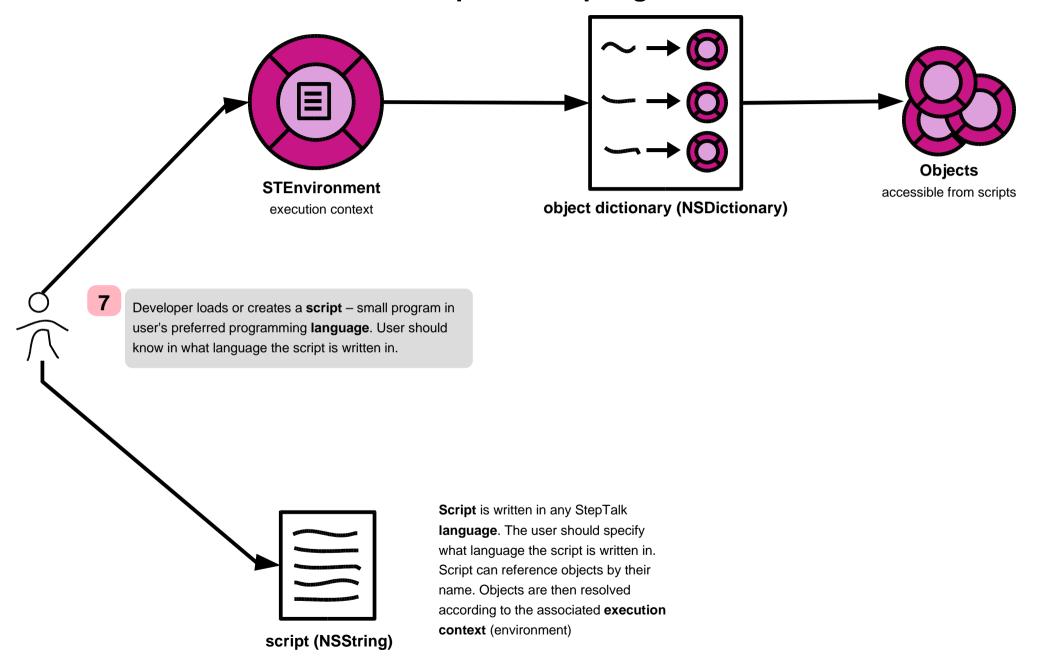
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Developer

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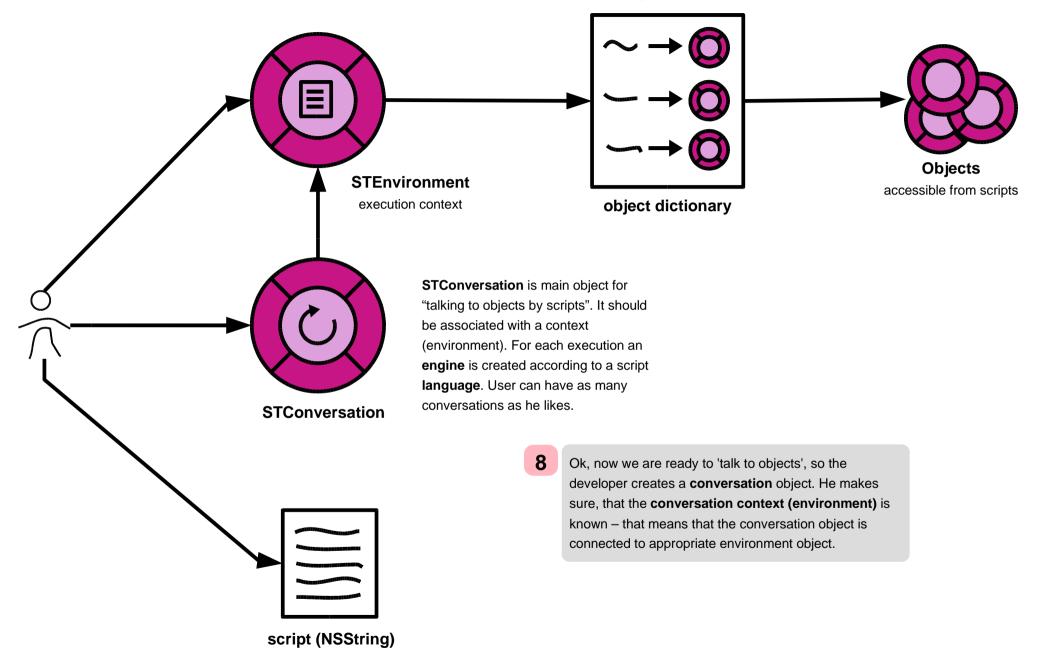
Developer knows objects what are available for scripting. He creates an **environment** (conversation context). This context will let the computer resolve object names. In other words, computer will know, what is meant by 'document', 'application' or 'selectedObject'.

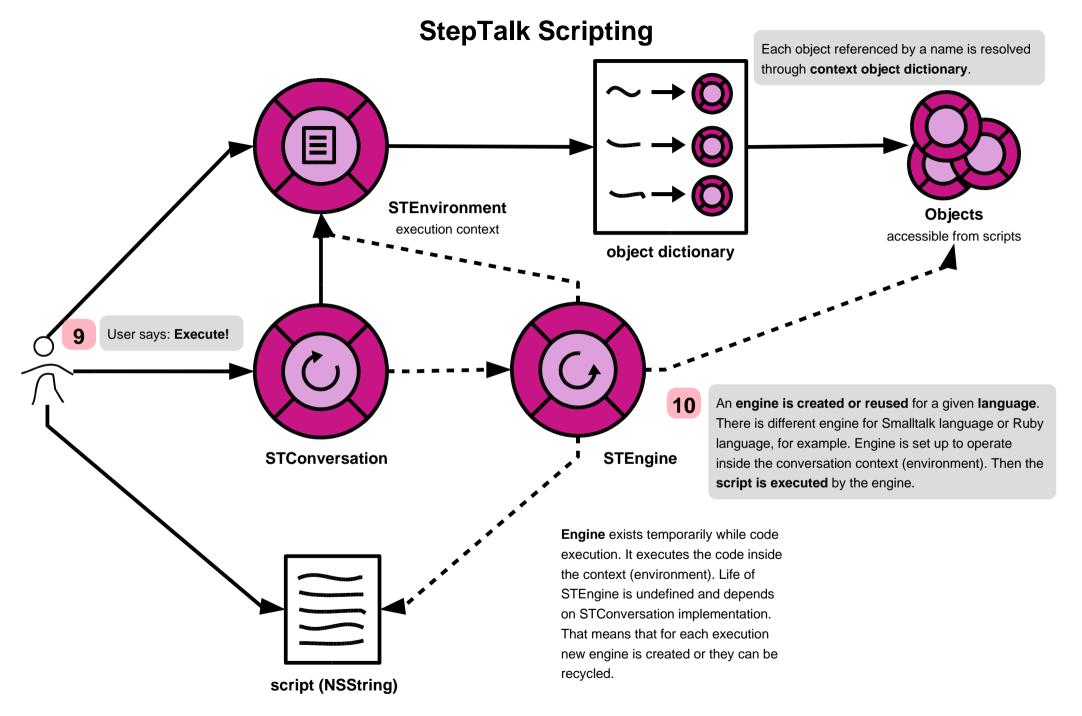
STEnvironment is a context that defines what is behind object names. User can create various environments, one for whole application, one for each document, etc. In the environment objects and classes from frameworks or modules can be included too. Also object finders can be associated for finding unknown objects or distant objects.

StepTalk Scripting

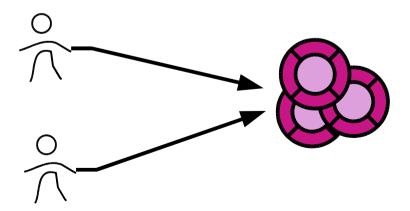


StepTalk Scripting



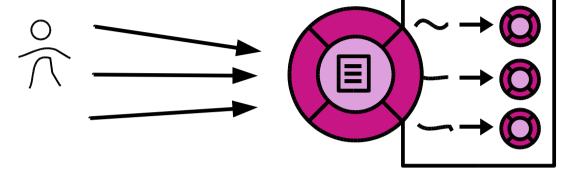


Scripting in semi-persistent shared environment



Before Remote Scripting

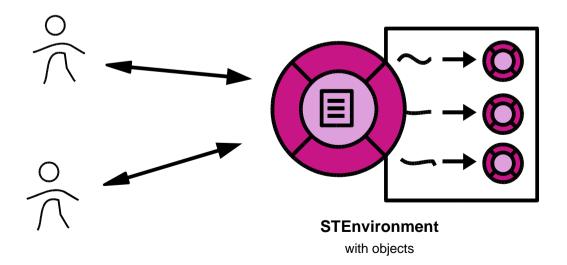
1a User wants to talk to objects more than once in different times and from different places (processes or applications). He needs the scripting environment with its objects to stay somewhere and to be ready for communication. Therefore he needs semipersistent environment where objects are not destroyed after each conversation and can be reused.



STEnvironment

with objects

Another user wants to bind partial tasks from several applications into a single, larger task. Therefore he needs a shared environment for all involved applications.



Semi-persistent Scripting Environment Process

2 Semi-persistent Scripting Environment process is created. The environment will be referenced by its name. The process contains single scripting environment object that would serve as execution context for future scripts.

