Business Object Definition

About this document...

The Business Object Definition describes the APIs available within a single business object, their parameters and their behaviours from both a business and technical perspective. The definition of each object function describes the business function of the interface, the parameters and usage of the business function and any technical notes required in the on-going support of the interface, including reference to the capabilities of the object. The Business Object Definition API is a dual-purpose document designed to serve the needs of both business users and technical system support staff who require information relating to the business functions available and their details. As such, the BOD is a working document and is subject to change during the course of development and implementation.

About Business Objects

Business Objects within the environment (i.e. objects which may be drawn onto a process to capture and replicate a part of a business process) adhere to strict guidelines in their implementation. The definition and behaviour of the object both as seen in Process Studio during design time and as implemented during test or via Control Room at runtime uses the same interface definition, known as an object's capabilities. All business objects used within Blue Prism, generic and bespoke, have a common property - Get Capabilities. The GetCapabilities function returns an XML formatted string which defines the interfaces for that object, their friendly names (as they appear in Process Studio) and any inputs and outputs that are required. The Business Object Definition object captures the name, parameters, preconditions and endpoints of each function relating to a business object and translates to the object definition seen within Process Studio.

1.0 Stanford Core NLP - Basic Actions

The runmode of this business object is "exclusive"

1.1 Annotate Text

API call to the Stanford CoreNLP server to Annotate a text input from the caller and using a specific set of annotators input as a parameter.

Parameter	Direction	Data Type	Description
Options	In	Collection	

Text	In	Text	
JSON	Out	Text	
Collection	Out	Collection	
Status	Out	Text	
Message	Out	Text	

1.2 Semgrex

An implementation of the SemgrexPattern pattern for matching node and edge configurations of a dependency graph.

Parameter	Direction	Data Type	Description
Options	In	Collection	
Text	In	Text	
Pattern	In	Text	
JSON	Out	Text	
Collection	Out	Collection	
Status	Out	Text	
Message	Out	Text	

1.3 Server Live

Call to the maintenance API for Core NLP to verify the server is live.

Parameter	Direction	Data Type	Description
Live	Out	Flag	

1.4 TokenRegex

A simple, rule-based NER over token sequences using Java regular expressions.. This can also be run as an annotator using Annotate action with the annotator 'tokensregex'

Parameter	Direction	Data Type	Description
Options	In	Collection	
Text	In	Text	
Pattern	In	Text	
JSON	Out	Text	
Collection	Out	Collection	

Status	Out	Text	
Message	Out	Text	

1.5 Tregex

A utility for matching patterns in trees, based on tree relationships and regular expression matches on nodes (the name is short for "tree regular expressions")

Parameter	Direction	Data Type	Description
Options	In	Collection	
Text	In	Text	
Pattern	In	Text	
JSON	Out	Text	
Collection	Out	Collection	
Status	Out	Text	
Message	Out	Text	