

system provides a platform with a collection of APIs in a single place which may dramatically reduce the development overhead associated with building API driven propositions.

**[0004a]** According to a first aspect of the present invention, there is provided an extensible single point orchestration system for application program interfaces (APIs) comprising: a processor configured to execute a context service to generate, based on a service request to an API proxy, an identifier of one of a plurality of stored configuration entities, a plurality of parameters, and a service type indication comprising an aggregation service type or a selection service type; the processor further configured to apply a first stored configuration entity identified with the identifier to a first core capability service, in response to the service type indication being the aggregation service type, to dynamically adapt the first core capability service to generate a plurality of different API specific service call messages containing at least some of the parameters, the first core capability service executed by the processor to communicate respective different API specific service call messages to each of a plurality of different external APIs of a plurality of different external third party provider services in a respective format compatible with the respective external APIs of the plurality of different external third party provider services; and the processor further configured to apply a second stored configuration entity identified with the identifier to a second core capability service, in response to the service type indication being the selection service type, to dynamically adapt the second core capability service to generate an API specific service call message containing at least some of the parameters, the second core capability service executed by the processor to communicate the API specific service call message to only one external API of only one of the plurality of different external third party provider services.

**[0004b]** According to a second aspect of the present invention, there is provided an extensible single point orchestration system for application program interfaces (APIs) comprising: a processor, in response to one of a plurality of possible service requests from an application, configured to identify a single third party provider service or a plurality of third party provider services and retrieve a stored configuration entity; wherein, in response to identifying the single third party provider service, the processor further configured to: dynamically adapt a core capability service, using the stored

WE CLAIM:

1. An extensible single point orchestration system for application program interfaces (APIs) comprising:

5 a processor configured to execute a context service to generate, based on a service request to an API proxy, an identifier of one of a plurality of stored configuration entities, a plurality of parameters, and a service type indication comprising an aggregation service type or a selection service type;

10 the processor further configured to apply a first stored configuration entity identified with the identifier to a first core capability service, in response to the service type indication being the aggregation service type, to dynamically adapt the first core capability service to generate a plurality of different API specific service call messages containing at least some of the parameters, the first core capability service executed by the processor to communicate respective different API specific service call messages to each of a plurality of different external APIs of a plurality of different external third party provider services in a respective format compatible with the respective external APIs of the plurality of different external third party provider services; and

20 the processor further configured to apply a second stored configuration entity identified with the identifier to a second core capability service, in response to the service type indication being the selection service type, to dynamically adapt the second core capability service to generate an API specific service call message containing at least some of the parameters, the second core capability service executed by the processor to communicate the API specific service call message to only one external API of only one of the plurality of different external third party provider services.

25 2. The extensible single point orchestration system of claim 1, wherein a listing of the plurality of different external third parties and a respective URL protocol for each of the different API specific service call messages are included in the first stored