Procedure REST API

Module Objectives

In this module, you will cover:

- The Procedure REST API
- Calling Procedures from external systems
- Interpreting the results

Procedure REST API

Used to send queries to and receive results from the methods of an Application's Procedures

To call a method in an Application's Procedure:

- Send the method name as part of the request URL
- Send the arguments as a JSON string in the body of the request

Executing Procedures

The request is an HTTP POST:

```
POST <base-url>/apps/<app-id>/procedures/    <procedure-id>/methods/<method-id>
```

Parameter

```
<app-id>
```

Description

Name of the Application being called

Parameter

```
<procedure-id>
```

Description

Name of the Procedure being called

Parameter

```
<method-id>
```

Description

Name of the method being called

HTTP Responses

Status Code : *Description*

`200 OK` : The event successfully called the method, and the body contains the results `400 Bad Request` : The Application, Procedure and method exist, but the arguments are not as expected `404 Not Found` : The Application, Procedure, or method does not exist

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Procedure Example

```
POST <base-url>/apps/WordCount/procedures/   RetrieveCounts/methods/getCount
```

Calls the `getCount()` method of the *RetrieveCounts* Procedure in the *WordCount* Application with the arguments as a JSON string in the body:

```
{"word":"a"}
```

The response will have the results—if any—in the body

Module Summary

You should now be able to:

- Call Procedures from external systems
- Interpret results from Procedure calls

Module Completed