**SOAP calls to Populate and Send a ServiceNow Form that Adds Prolog New Users**

**Calls to populate the form via staging tables**

The following routines populate the dropdowns on the form, referenced by the line numbers in the Excel sheet. We recommend that these are not called in realtime, but called, say, once every half hour and cached in a staging table within ServiceNow:

**Call #1, 2 & 3:** *https://convergeustest2.jacobs.com/Prolog/connect/QueryService.asmx?wsdl*

**Call #4 & 5:** *https://convergeustest2.jacobs.com/Prolog/connect/DocumentService.asmx?wsdl*

**Call #6:** *https://convergeustest2.jacobs.com/Prolog/connect/administrationservice.asmx?wsdl*

**Call #1:** GetPortfiolios ( QueryService.asmx/GetPortfolios )

Parameters: None

Usage

1. To populate the “Database for New Project” dropdown. This takes a list of the <PortfolioName>s only (ie no ProjectNames). Please note that the supplied ‘Save’ routine takes the PortfolioName and not the number or GUID, so we have to use the PortfolioName as both the display and the return value
2. A number of the calls require a project name to be selected. The value is not used but is required (!). Once the ServiceNow user has selected a Portfolio, the first <ProjectName> returned for that Portfolio should be used when a Project is Required

**Call #1b:** GetProjectIDs( QueryService.asmx/ExecuteDynamicQueryOnPortfolio <DataGroupID>39</DataGroupID> )

Parameters: This must be called iteratively foreach database returned from Call#1 GetPortfolios

Usage:

To populate the staging table in order to supply the Project ID in Call #6: AddOrUpdateUser Request

**Call #2:** GetContacts ( QueryService.asmx/ExecuteDynamicQueryOnPortfolio <DataGroupID>112</DataGroupID> )

Parameters: Database selected by user  
Usage:

1. Populates Company DropDown on form by selecting the distinct ‘Companies’ in the Company.Name element of the response
2. The Company.GUID field used as Document.GUID in Call#4 ReadDocument
3. The list of Contacts is used to check duplicates on the submission
4. Populates the ‘Name of Location’ dropdown using the distinct <DisplayAddress> tags as the text, and the Address <GUID> as the value

**Call #3:** GetSecurityGroups ( QueryService.asmx/ExecuteDynamicQueryOnPortfolio <DataGroupID>950</DataGroupID> )

Parameters: Database selected by user  
Usage:   
Populates the Security Dropdown (will need to be called for each database and held in a staging table by database (nb this requires a custom data group on the Jacobs Converge server – details at end of document)

**Calls to make the save**

**Call #4:** ( DocumentService.asmx/ReadDocument <DocumentTypeName>MeridianSystems.Prolog.Business.Administration.Company.CompanyDocument</DocumentTypeName> )

Parameters: Database selected by user

Document GUID which is the Company.GUID from Call #2 GetContacts  
Usage: Gets the Document Template and existing data which will be used to create the new contact

**Call #5:** ( DocumentService.asmx/SaveDocument <DocumentTypeName>MeridianSystems.Prolog.Business.Administration.Company.CompanyDocument</DocumentTypeName> )

Parameters: Database selected by user

This call has to be populated with

1. The document data from Call #4 Read Document above (colored yellow in the examples below)
2. The data for the new contact (colored green in the example below). The new contact data is comprised of:
   1. the <ContactsRow> tag which MUST have the attribute RowState=”Added”
   2. the address details relating to the GUID selected in the ‘Name of Location’ dropdown (details retrieved from the staging tables for Call #2 GetContacts
   3. The Project and associated project details, based on the entries in the Project Security grid (or panes). The <ComProjID> tag should be populated by cross referencing the the project details and company details and finding a match in call ‘#4 (getCompanyDetails). <isMainProjectContact> should be set to ‘false’.

Usage: Saves the Contact Details. This save must be called iteratively for each database selected by the user

**Call #6:** AddOrUpdateUser ( DocumentService.asmx.asmx/ AddOrUpdateUser)

Parameters: Database selected by user

Usage:   
Saves the new user and associates the new contact with it. The <DefGroupID> tag should be populated with the <tbl\_sp\_usergrps.ID> from the security dropdown, the project details should be looked up from the staging tables populated from Call#1 GetPortfolios. This save must be called iteratively for each database selected by the user

**Calls in Detail**

**Call #1:** Get Portfolios REQUEST (all values exactly as below):

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sit="uri://meridiansystems.com/prolog/connect/siteinformationservice">

<soapenv:Header>

<Security xmlns="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<o:UsernameToken u:id="8b1f5957-8dda-4657-9d29-02cfddfb7cce" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<o:Username>ServiceNowTest</o:Username>

<o:Password>service123</o:Password>

<o:Nonce>J7SezqhGt7XG9RZB3VhjnzREbXs=</o:Nonce>

</o:UsernameToken>

</Security>

</soapenv:Header>

<soapenv:Body>

<sit:GetPortfolios/>

</soapenv:Body>

</soapenv:Envelope>

Get Portfolios RESPONSE (extract).

<soap:Body>

<GetPortfoliosResponse xmlns="uri://meridiansystems.com/prolog/connect/siteinformationservice">

<GetPortfoliosResult>

<PortfolioDescriptor>

<PortfolioName>AirForce</PortfolioName>

<Projects>

<ProjectDetails>

<ProjectName>05Z15401 JP-4, FS-4, TCC-1, PCB Sites 4, 5 &amp; 6, and Fuel Sites SVE at Castle Air</ProjectName>

<ProjectNumber>05Z15401</ProjectNumber>

<ProjectGuid>8210b36c-538a-4c6a-a515-d4cae18aaefa</ProjectGuid>

</ProjectDetails>

<ProjectDetails>

<ProjectName>05Z00302 RAO and LTGSP at Castle Airport</ProjectName>

<ProjectNumber>05Z00302</ProjectNumber>

<ProjectGuid>dea26add-4766-4022-9416-ef96f39f7623</ProjectGuid>

</ProjectDetails>

**Call #1b:** GetProjectIDs Request

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Header>

<Security xmlns="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<o:UsernameToken u:id="8b1f5957-8dda-4657-9d29-02cfddfb7cce" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<o:Username>ServiceNowTest</o:Username>

<o:Password>service123</o:Password>

<o:Nonce>J7SezqhGt7XG9RZB3VhjnzREbXs=</o:Nonce>

</o:UsernameToken>

</Security>

<TargetPortfolio xmlns="http://www.mps.com/Prolog/webservices">Prolog\_Sample</TargetPortfolio>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ExecuteDynamicQueryOnPortfolio xmlns="uri://meridiansystems.com/prolog/connect/queryservice">

<Query>

<ID xsi:nil="true"/>

<QueryGroupID xsi:nil="true"/>

<CreationDate xsi:nil="true"/>

<ModificationDate xsi:nil="true"/>

<IsDistinct>false</IsDistinct>

<DataGroupID>39</DataGroupID>

<Fields>

<QueryField>

<Column>Projects.Sequence</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Projects.Name</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Projects.Address</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Projects.GUID</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Projects.ProjectID</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

</Fields>

<Filters/>

<DatagroupName>Project</DatagroupName>

</Query>

<ExecutionPlan>

<PageInfo>

<FirstRecordNumber>0</FirstRecordNumber>

<PageSize>5000</PageSize>

</PageInfo>

</ExecutionPlan>

</ExecuteDynamicQueryOnPortfolio>

</s:Body>

</s:Envelope>

GetProjectIDs Response

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">

<soap:Header>

<wsa:Action>uri://meridiansystems.com/prolog/connect/queryservice/ExecuteDynamicQueryOnPortfolioResponse</wsa:Action>

<wsa:MessageID>urn:uuid:48f6311c-ace7-4182-893a-003c93babd91</wsa:MessageID>

<wsa:RelatesTo>urn:uuid:12108ce4-eb5e-4674-bdc7-61f66133f148</wsa:RelatesTo>

<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>

</soap:Header>

<soap:Body>

<ExecuteDynamicQueryOnPortfolioResponse xmlns="uri://meridiansystems.com/prolog/connect/queryservice">

<ExecuteDynamicQueryOnPortfolioResult>

<QueryID>0</QueryID>

<Data>

<xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">

<xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:Locale="">

<xs:complexType>

<xs:choice minOccurs="0" maxOccurs="unbounded">

<xs:element name="Table">

<xs:complexType>

<xs:sequence>

<xs:element name="Projects.Sequence" type="xs:string" minOccurs="0"/>

<xs:element name="Projects.Name" type="xs:string" minOccurs="0"/>

<xs:element name="Projects.Address" type="xs:string" minOccurs="0"/>

<xs:element name="Projects.GUID" msdata:DataType="System.Guid, mscorlib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" type="xs:string" minOccurs="0"/>

<xs:element name="Projects.ProjectID" type="xs:int" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:choice>

</xs:complexType>

</xs:element>

</xs:schema>

<diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">

<NewDataSet xmlns="">

<Table diffgr:id="Table1" msdata:rowOrder="0">

<Projects.Sequence>00-2005</Projects.Sequence>

<Projects.Name>Package 2</Projects.Name>

<Projects.Address>

20500 Disney Way

Lake Buena Vista, FL 32911

</Projects.Address>

<Projects.GUID>eb14b378-146f-11d4-816e-000102351bdf</Projects.GUID>

<Projects.ProjectID>3</Projects.ProjectID>

</Table>

<Table diffgr:id="Table2" msdata:rowOrder="1">

<Projects.Sequence>99-2045</Projects.Sequence>

<Projects.Name>Downtown Medical Center</Projects.Name>

<Projects.Address>

2100 Pine Street

Santa Monica, CA 90025

</Projects.Address>

<Projects.GUID>7d6e8c09-2bc9-11d4-9a64-006097901016</Projects.GUID>

<Projects.ProjectID>4</Projects.ProjectID>

</Table>

<Table diffgr:id="Table3" msdata:rowOrder="2">

<Projects.Sequence>99-1001</Projects.Sequence>

<Projects.Name>Newtown Convention Center</Projects.Name>

<Projects.Address>

214 Washington Str.

Newtwon Lower Falls, MA 02462

</Projects.Address>

<Projects.GUID>529878c6-9c7a-4179-9b4d-872d6173721a</Projects.GUID>

<Projects.ProjectID>5</Projects.ProjectID>

</Table>

<Table diffgr:id="Table4" msdata:rowOrder="3">

<Projects.Sequence>00-1046</Projects.Sequence>

<Projects.Name>Eagleridge Town Square</Projects.Name>

<Projects.Address>

20500 Disney Way

Lake Buena Vista, FL 32911

</Projects.Address>

<Projects.GUID>e6d4addf-88fc-44fd-a76f-38c44e66976b</Projects.GUID>

<Projects.ProjectID>6</Projects.ProjectID>

</Table>

<Table diffgr:id="Table5" msdata:rowOrder="4">

<Projects.Sequence>99-2452</Projects.Sequence>

<Projects.Name>Riverbank Shopping Mall</Projects.Name>

<Projects.Address>

679 Riverside Dr.

New York, NY 10031

</Projects.Address>

<Projects.GUID>b6a3c840-efc8-4297-ac1b-4ff67eef4081</Projects.GUID>

<Projects.ProjectID>7</Projects.ProjectID>

</Table>

<Table diffgr:id="Table6" msdata:rowOrder="5">

<Projects.Sequence>00-3052</Projects.Sequence>

<Projects.Name>Creekside Estate</Projects.Name>

<Projects.Address>

20500 Disney Way

Lake Buena Vista, FL 32911

</Projects.Address>

<Projects.GUID>3a87a209-4505-4b36-9b07-7d7ba8472106</Projects.GUID>

<Projects.ProjectID>8</Projects.ProjectID>

</Table>

<Table diffgr:id="Table7" msdata:rowOrder="6">

<Projects.Sequence>99-5320</Projects.Sequence>

<Projects.Name>Sunnydale Care Center</Projects.Name>

<Projects.Address>

13730 Research Blvd.

Austin, TX 78750

</Projects.Address>

<Projects.GUID>be9d6080-d336-4759-b5a8-84ba4d741468</Projects.GUID>

<Projects.ProjectID>9</Projects.ProjectID>

</Table>

<Table diffgr:id="Table8" msdata:rowOrder="7">

<Projects.Sequence>00-0531</Projects.Sequence>

<Projects.Name>PMSS Project</Projects.Name>

<Projects.Address>

20500 Disney Way

Lake Buena Vista, FL 32911

</Projects.Address>

<Projects.GUID>ef4e457e-f922-443b-ba86-2d0c53ffd1b1</Projects.GUID>

<Projects.ProjectID>10</Projects.ProjectID>

</Table>

<Table diffgr:id="Table9" msdata:rowOrder="8">

<Projects.Sequence>99-4192</Projects.Sequence>

<Projects.Name>Aventura Plaza</Projects.Name>

<Projects.Address>

2100 Pine Street

Santa Monica, CA 90025

</Projects.Address>

<Projects.GUID>9f20f993-2881-402e-8d23-941d54f6fa3a</Projects.GUID>

<Projects.ProjectID>11</Projects.ProjectID>

</Table>

<Table diffgr:id="Table10" msdata:rowOrder="9">

<Projects.Sequence>01-5411</Projects.Sequence>

<Projects.Name>DB Package 1</Projects.Name>

<Projects.Address>

20500 Disney Way

Lake Buena Vista, FL 32911

</Projects.Address>

<Projects.GUID>6fc001d8-f459-4496-b6f1-47cbf8bcd9d2</Projects.GUID>

<Projects.ProjectID>12</Projects.ProjectID>

</Table>

<Table diffgr:id="Table11" msdata:rowOrder="10">

<Projects.Sequence>NEW</Projects.Sequence>

<Projects.Name>Prolog Manager New Project</Projects.Name>

<Projects.Address/>

<Projects.GUID>ad91d386-a483-4bad-bdc5-4e64ab19785a</Projects.GUID>

<Projects.ProjectID>13</Projects.ProjectID>

</Table>

</NewDataSet>

</diffgr:diffgram>

</Data>

<TotalRowsCount>11</TotalRowsCount>

</ExecuteDynamicQueryOnPortfolioResult>

</ExecuteDynamicQueryOnPortfolioResponse>

</soap:Body>

</soap:Envelope>

**Call #2:** GetContacts Request

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Header>

<Security xmlns="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<o:UsernameToken u:id="8b1f5957-8dda-4657-9d29-02cfddfb7cce" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<o:Username>ServiceNowTest</o:Username>

<o:Password>service123</o:Password>

<o:Nonce>J7SezqhGt7XG9RZB3VhjnzREbXs=</o:Nonce>

</o:UsernameToken>

</Security>

<TargetPortfolio xmlns="http://www.mps.com/Prolog/webservices">Prolog\_Sample</TargetPortfolio>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ExecuteDynamicQueryOnPortfolio xmlns="uri://meridiansystems.com/prolog/connect/queryservice">

<Query>

<ID xsi:nil="true"/>

<QueryGroupID xsi:nil="true"/>

<CreationDate xsi:nil="true"/>

<ModificationDate xsi:nil="true"/>

<IsDistinct>false</IsDistinct>

<DataGroupID>112</DataGroupID>

<Fields>

<QueryField>

<Column>Company.Name</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Contacts.DisplayName</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Contacts.ContactID</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Contacts.Email</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Company.GUID</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Addresses.GUID</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>Addresses.NameOfLocation</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

</Fields>

<Filters/>

<DatagroupName>Contact List</DatagroupName>

</Query>

<ExecutionPlan>

<PageInfo>

<FirstRecordNumber>0</FirstRecordNumber>

<PageSize>5000</PageSize>

</PageInfo>

</ExecutionPlan>

</ExecuteDynamicQueryOnPortfolio>

</s:Body>

</s:Envelope>

Get Contacts Response (extract, similar removed removed for clarity)

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">

<soap:Header>

<wsa:Action>uri://meridiansystems.com/prolog/connect/queryservice/ExecuteDynamicQueryOnPortfolioResponse</wsa:Action>

<wsa:MessageID>urn:uuid:3559c41a-50c4-429b-80da-fb38cddd9d23</wsa:MessageID>

<wsa:RelatesTo>urn:uuid:02e58c32-edb9-4390-b0a4-22628e5ebdfb</wsa:RelatesTo>

<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>

</soap:Header>

<soap:Body>

<ExecuteDynamicQueryOnPortfolioResponse xmlns="uri://meridiansystems.com/prolog/connect/queryservice">

<ExecuteDynamicQueryOnPortfolioResult>

<QueryID>0</QueryID>

<Data>

<xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">

<xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:Locale="">

<xs:complexType>

<xs:choice minOccurs="0" maxOccurs="unbounded">

<xs:element name="Table">

<xs:complexType>

<xs:sequence>

<xs:element name="Company.Name" type="xs:string" minOccurs="0"/>

<xs:element name="Contacts.DisplayName" type="xs:string" minOccurs="0"/>

<xs:element name="Contacts.ContactID" type="xs:string" minOccurs="0"/>

<xs:element name="Contacts.Email" type="xs:string" minOccurs="0"/>

<xs:element name="Company.GUID" msdata:DataType="System.Guid, mscorlib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" type="xs:string" minOccurs="0"/>

<xs:element name="Addresses.GUID" msdata:DataType="System.Guid, mscorlib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" type="xs:string" minOccurs="0"/>

<xs:element name="Addresses.NameOfLocation" type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:choice>

</xs:complexType>

</xs:element>

</xs:schema>

<diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">

<NewDataSet xmlns="">

<Table diffgr:id="Table1" msdata:rowOrder="0">

<Company.Name>Able Concrete</Company.Name>

<Contacts.DisplayName>Tim Williams</Contacts.DisplayName>

<Contacts.ContactID>TIMWIL</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b621-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b536-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table2" msdata:rowOrder="1">

<Company.Name>Able Concrete</Company.Name>

<Contacts.DisplayName>Tim Williams</Contacts.DisplayName>

<Contacts.ContactID>TIMWIL</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b621-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b536-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table3" msdata:rowOrder="2">

<Company.Name>Able Concrete</Company.Name>

<Contacts.DisplayName>Tim Williams</Contacts.DisplayName>

<Contacts.ContactID>TIMWIL</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b621-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b536-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table4" msdata:rowOrder="3">

<Company.Name>Able Concrete</Company.Name>

<Contacts.DisplayName>Tim Williams</Contacts.DisplayName>

<Contacts.ContactID>TIMWIL</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b621-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b536-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table5" msdata:rowOrder="4">

<Company.Name>Able Concrete</Company.Name>

<Contacts.DisplayName>Tim Williams</Contacts.DisplayName>

<Contacts.ContactID>TIMWIL</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b621-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b536-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table6" msdata:rowOrder="5">

<Company.Name>AFG Industries Inc.</Company.Name>

<Contacts.DisplayName>Rob Waverton</Contacts.DisplayName>

<Contacts.ContactID>ROBWAV</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b626-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b510-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table7" msdata:rowOrder="6">

<Company.Name>AFG Industries Inc.</Company.Name>

<Contacts.DisplayName>Rob Waverton</Contacts.DisplayName>

<Contacts.ContactID>ROBWAV</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b626-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b510-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table8" msdata:rowOrder="7">

<Company.Name>AFG Industries Inc.</Company.Name>

<Contacts.DisplayName>Rob Waverton</Contacts.DisplayName>

<Contacts.ContactID>ROBWAV</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b626-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b510-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table9" msdata:rowOrder="8">

<Company.Name>AFG Industries Inc.</Company.Name>

<Contacts.DisplayName>Rob Waverton</Contacts.DisplayName>

<Contacts.ContactID>ROBWAV</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b626-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b510-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table10" msdata:rowOrder="9">

<Company.Name>AFG Industries Inc.</Company.Name>

<Contacts.DisplayName>Rob Waverton</Contacts.DisplayName>

<Contacts.ContactID>ROBWAV</Contacts.ContactID>

<Contacts.Email/>

<Company.GUID>eb14b626-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14b510-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table11" msdata:rowOrder="10">

<Company.Name>Borink Inc.</Company.Name>

<Contacts.DisplayName>Bonnie McFarland</Contacts.DisplayName>

<Contacts.ContactID>BONMCF</Contacts.ContactID>

<Contacts.Email>ConvergeUSTestNotifications@jacobs.com</Contacts.Email>

<Company.GUID>eb14af6c-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14aa51-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table12" msdata:rowOrder="11">

<Company.Name>Borink Inc.</Company.Name>

<Contacts.DisplayName>Bonnie McFarland</Contacts.DisplayName>

<Contacts.ContactID>BONMCF</Contacts.ContactID>

<Contacts.Email>ConvergeUSTestNotifications@jacobs.com</Contacts.Email>

<Company.GUID>eb14af6c-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14aa51-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table13" msdata:rowOrder="12">

<Company.Name>Borink Inc.</Company.Name>

<Contacts.DisplayName>Bonnie McFarland</Contacts.DisplayName>

<Contacts.ContactID>BONMCF</Contacts.ContactID>

<Contacts.Email>ConvergeUSTestNotifications@jacobs.com</Contacts.Email>

<Company.GUID>eb14af6c-146f-11d4-816e-000102351bdf</Company.GUID>

<Addresses.GUID>eb14aa51-146f-11d4-816e-000102351bdf</Addresses.GUID>

<Addresses.NameOfLocation>Main Office</Addresses.NameOfLocation>

</Table>

<Table diffgr:id="Table153" msdata:rowOrder="152">

<Company.Name>Test with Jordan</Company.Name>

<Contacts.DisplayName>John Simpson2</Contacts.DisplayName>

<Contacts.ContactID>JOHSIM01</Contacts.ContactID>

<Company.GUID>fb4ee409-9351-4823-a386-5ab9bc3ce9c4</Company.GUID>

</Table>

</NewDataSet>

</diffgr:diffgram>

</Data>

<TotalRowsCount>153</TotalRowsCount>

</ExecuteDynamicQueryOnPortfolioResult>

</ExecuteDynamicQueryOnPortfolioResponse>

</soap:Body>

</soap:Envelope>

**Call #3:** GetSecurityGroups Request

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Header>

<Security xmlns="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<o:UsernameToken u:id="8b1f5957-8dda-4657-9d29-02cfddfb7cce" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<o:Username>ServiceNowTest</o:Username>

<o:Password>service123</o:Password>

<o:Nonce>J7SezqhGt7XG9RZB3VhjnzREbXs=</o:Nonce>

</o:UsernameToken>

</Security>

<TargetPortfolio xmlns="http://www.mps.com/Prolog/webservices">Prolog\_Sample</TargetPortfolio>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ExecuteDynamicQueryOnPortfolio xmlns="uri://meridiansystems.com/prolog/connect/queryservice">

<Query>

<ID xsi:nil="true"/>

<QueryGroupID xsi:nil="true"/>

<CreationDate xsi:nil="true"/>

<ModificationDate xsi:nil="true"/>

<IsDistinct>false</IsDistinct>

<DataGroupID>950</DataGroupID>

<Fields>

<QueryField>

<Column>tbl\_sp\_usergrps.ID</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

<QueryField>

<Column>tbl\_sp\_usergrps.Name</Column>

<IsShow>true</IsShow>

<SortOrder>None</SortOrder>

</QueryField>

</Fields>

<Filters/>

<DatagroupName>User Groups</DatagroupName>

</Query>

<ExecutionPlan>

<PageInfo>

<FirstRecordNumber>0</FirstRecordNumber>

<PageSize>5000</PageSize>

</PageInfo>

</ExecutionPlan>

</ExecuteDynamicQueryOnPortfolio>

</s:Body>

</s:Envelope>

GetSecurityGroups Response

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">

<soap:Header>

<wsa:Action>uri://meridiansystems.com/prolog/connect/queryservice/ExecuteDynamicQueryOnPortfolioResponse</wsa:Action>

<wsa:MessageID>urn:uuid:b6b5e01d-c623-4eae-8e64-8375823e5819</wsa:MessageID>

<wsa:RelatesTo>urn:uuid:a16968e1-1482-439e-8fbc-77c9de2d44ab</wsa:RelatesTo>

<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>

</soap:Header>

<soap:Body>

<ExecuteDynamicQueryOnPortfolioResponse xmlns="uri://meridiansystems.com/prolog/connect/queryservice">

<ExecuteDynamicQueryOnPortfolioResult>

<QueryID>0</QueryID>

<Data>

<xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">

<xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:Locale="">

<xs:complexType>

<xs:choice minOccurs="0" maxOccurs="unbounded">

<xs:element name="Table">

<xs:complexType>

<xs:sequence>

<xs:element name="tbl\_sp\_usergrps.ID" type="xs:int" minOccurs="0"/>

<xs:element name="tbl\_sp\_usergrps.Name" type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:choice>

</xs:complexType>

</xs:element>

</xs:schema>

<diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">

<NewDataSet xmlns="">

<Table diffgr:id="Table1" msdata:rowOrder="0">

<tbl\_sp\_usergrps.ID>2</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Administrator</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table2" msdata:rowOrder="1">

<tbl\_sp\_usergrps.ID>117</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Users</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table3" msdata:rowOrder="2">

<tbl\_sp\_usergrps.ID>146</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Architects</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table4" msdata:rowOrder="3">

<tbl\_sp\_usergrps.ID>147</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Engineers</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table5" msdata:rowOrder="4">

<tbl\_sp\_usergrps.ID>148</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Engineers ++</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table6" msdata:rowOrder="5">

<tbl\_sp\_usergrps.ID>149</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Foreman</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table7" msdata:rowOrder="6">

<tbl\_sp\_usergrps.ID>150</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Guests</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table8" msdata:rowOrder="7">

<tbl\_sp\_usergrps.ID>151</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Inspectors</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table9" msdata:rowOrder="8">

<tbl\_sp\_usergrps.ID>152</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Own Company Admin</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table10" msdata:rowOrder="9">

<tbl\_sp\_usergrps.ID>153</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Own Company Users</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table11" msdata:rowOrder="10">

<tbl\_sp\_usergrps.ID>154</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Owners</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table12" msdata:rowOrder="11">

<tbl\_sp\_usergrps.ID>155</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Public</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table13" msdata:rowOrder="12">

<tbl\_sp\_usergrps.ID>156</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Superintendent</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table14" msdata:rowOrder="13">

<tbl\_sp\_usergrps.ID>157</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Subcontractors</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table15" msdata:rowOrder="14">

<tbl\_sp\_usergrps.ID>170</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>Project Managers</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table16" msdata:rowOrder="15">

<tbl\_sp\_usergrps.ID>171</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>PMSS DB User</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table17" msdata:rowOrder="16">

<tbl\_sp\_usergrps.ID>172</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>PMSS Engineering</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table18" msdata:rowOrder="17">

<tbl\_sp\_usergrps.ID>173</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>PMSS Field</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table19" msdata:rowOrder="18">

<tbl\_sp\_usergrps.ID>174</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>MTT - Project Manager</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table20" msdata:rowOrder="19">

<tbl\_sp\_usergrps.ID>175</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>FST - SuperUser</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table21" msdata:rowOrder="20">

<tbl\_sp\_usergrps.ID>176</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Architects</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table22" msdata:rowOrder="21">

<tbl\_sp\_usergrps.ID>177</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Engineers</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table23" msdata:rowOrder="22">

<tbl\_sp\_usergrps.ID>178</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Engineers ++</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table24" msdata:rowOrder="23">

<tbl\_sp\_usergrps.ID>179</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Foreman</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table25" msdata:rowOrder="24">

<tbl\_sp\_usergrps.ID>180</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Guests</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table26" msdata:rowOrder="25">

<tbl\_sp\_usergrps.ID>181</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Inspectors</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table27" msdata:rowOrder="26">

<tbl\_sp\_usergrps.ID>182</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Own Company Admin</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table28" msdata:rowOrder="27">

<tbl\_sp\_usergrps.ID>183</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Own Company Users</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table29" msdata:rowOrder="28">

<tbl\_sp\_usergrps.ID>184</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Owners</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table30" msdata:rowOrder="29">

<tbl\_sp\_usergrps.ID>185</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Public</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table31" msdata:rowOrder="30">

<tbl\_sp\_usergrps.ID>186</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Superintendent</tbl\_sp\_usergrps.Name>

</Table>

<Table diffgr:id="Table32" msdata:rowOrder="31">

<tbl\_sp\_usergrps.ID>187</tbl\_sp\_usergrps.ID>

<tbl\_sp\_usergrps.Name>WebSite Subcontractors</tbl\_sp\_usergrps.Name>

</Table>

</NewDataSet>

</diffgr:diffgram>

</Data>

<TotalRowsCount>32</TotalRowsCount>

</ExecuteDynamicQueryOnPortfolioResult>

</ExecuteDynamicQueryOnPortfolioResponse>

</soap:Body>

</soap:Envelope>

**Call #4:** Read Document Request

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Header>

<Security xmlns="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<o:UsernameToken u:id="8b1f5957-8dda-4657-9d29-02cfddfb7cce" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<o:Username>ServiceNowTest</o:Username>

<o:Password>service123</o:Password>

<o:Nonce>J7SezqhGt7XG9RZB3VhjnzREbXs=</o:Nonce>

</o:UsernameToken>

</Security>

<TargetPortfolio xmlns="http://www.mps.com/Prolog/webservices">Prolog\_Sample</TargetPortfolio>

<TargetProject xmlns="http://www.mps.com/Prolog/webservices">Downtown Medical Center</TargetProject>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ReadDocument xmlns="uri://meridiansystems.com/prolog/connect/documentservice">

<DocumentTypeName>MeridianSystems.Prolog.Business.Administration.Company.CompanyDocument</DocumentTypeName>

<DocumentGuid>fb4ee409-9351-4823-a386-5ab9bc3ce9c4</DocumentGuid>

<SkipMetadataElement>true</SkipMetadataElement>

</ReadDocument>

</s:Body>

</s:Envelope>

Read Document return

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">

<soap:Header>

<wsa:Action>uri://meridiansystems.com/prolog/connect/documentservice/ReadDocumentResponse</wsa:Action>

<wsa:MessageID>urn:uuid:ada15643-4a20-4e55-abdf-b71d059d7560</wsa:MessageID>

<wsa:RelatesTo>urn:uuid:dc81c0e5-1b22-4b71-92aa-963bfdaed411</wsa:RelatesTo>

<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>

</soap:Header>

<soap:Body>

<ReadDocumentResponse xmlns="uri://meridiansystems.com/prolog/connect/documentservice">

<ReadDocumentResult>

<DocumentData xmlns="uri://meridiansystems.com/prolog/connect/documentservice/MeridianSystems.Prolog.Business.Administration.Company">

<CompanyID>TEST1</CompanyID>

<Name>Test with Jordan</Name>

<ShortName>TestJordan</ShortName>

<TypeOfCompany\_Section>CompanyType</TypeOfCompany\_Section>

<TypeOfCompany\_Description>Vendor</TypeOfCompany\_Description>

<MaxContractValue>0</MaxContractValue>

<AvgAnnualWorkValue>0</AvgAnnualWorkValue>

<InLitigationNow>false</InLitigationNow>

<IsBondable>false</IsBondable>

<BondingCapacity>0</BondingCapacity>

<IsUnion>false</IsUnion>

<IsOpenShop>false</IsOpenShop>

<IsPrevailingWage>false</IsPrevailingWage>

<IsOtherLabType>false</IsOtherLabType>

<InNatUnionAgreement>false</InNatUnionAgreement>

<InLocUnionAgreement>false</InLocUnionAgreement>

<IsWBE>false</IsWBE>

<IsMBE>false</IsMBE>

<IsDBE>false</IsDBE>

<IsVBE>false</IsVBE>

<IsSBE>false</IsSBE>

<IsState>false</IsState>

<IsFederal>false</IsFederal>

<IsOtherClass>false</IsOtherClass>

<DivisionID\_LookupType>Divisions</DivisionID\_LookupType>

<WorkUsuallySubedOut>0.00</WorkUsuallySubedOut>

<Addresses>

<AddressesRow>

<AddressID>297</AddressID>

<NameOfLocation>Main</NameOfLocation>

<DisplayAddress>,</DisplayAddress>

<TypeOfAddress\_Section>AddressType</TypeOfAddress\_Section>

<SortOrder>0</SortOrder>

<IsMainAddress>true</IsMainAddress>

<LastModifiedBy>Chris Gibson</LastModifiedBy>

<LastModified>2018-05-09T10:36:13.907</LastModified>

<GUID>1628607b-9d92-4761-92dd-4698fb389aed</GUID>

</AddressesRow>

</Addresses>

<Contacts>

<ContactsRow>

<ContactID>JOHSIM03</ContactID>

<Address\_ItemGuid>1628607b-9d92-4761-92dd-4698fb389aed</Address\_ItemGuid>

<Address\_ItemTitle>Main</Address\_ItemTitle>

<Address\_DocumentReference\_Title>Test with Jordan</Address\_DocumentReference\_Title>

<Address\_DocumentReference\_Identifier>TEST1</Address\_DocumentReference\_Identifier>

<Address\_DocumentReference\_Guid>fb4ee409-9351-4823-a386-5ab9bc3ce9c4</Address\_DocumentReference\_Guid>

<Address\_DocumentReference\_DocumentType>MeridianSystems.Prolog.Business.Administration.Company.CompanyDocument</Address\_DocumentReference\_DocumentType>

<DisplayAddress>,</DisplayAddress>

<DisplayName>John Simpson3</DisplayName>

<FirstName>John</FirstName>

<LastName>Simpson3</LastName>

<PortfolioRole\_Section>PortfolioRole</PortfolioRole\_Section>

<IsMainContact>false</IsMainContact>

<IsAutoNotify>false</IsAutoNotify>

<IsActive>true</IsActive>

<IsCurrent>false</IsCurrent>

<SortOrder>0</SortOrder>

<LastModified>2018-05-09T10:56:37.657</LastModified>

<LastModifiedBy>ServiceNowTest</LastModifiedBy>

<GUID>526e56a5-f615-428e-932b-3e7d6bab4989</GUID>

<ProjectsLinks/>

</ContactsRow>

<ContactsRow>

<ContactID>JOHSIM01</ContactID>

<Address\_ItemGuid>1628607b-9d92-4761-92dd-4698fb389aed</Address\_ItemGuid>

<Address\_ItemTitle>Main</Address\_ItemTitle>

<Address\_DocumentReference\_Title>Test with Jordan</Address\_DocumentReference\_Title>

<Address\_DocumentReference\_Identifier>TEST1</Address\_DocumentReference\_Identifier>

<Address\_DocumentReference\_Guid>fb4ee409-9351-4823-a386-5ab9bc3ce9c4</Address\_DocumentReference\_Guid>

<Address\_DocumentReference\_DocumentType>MeridianSystems.Prolog.Business.Administration.Company.CompanyDocument</Address\_DocumentReference\_DocumentType>

<DisplayAddress>,</DisplayAddress>

<DisplayName>John Simpson2</DisplayName>

<FirstName>John</FirstName>

<LastName>Simpson2</LastName>

<PortfolioRole\_Section>PortfolioRole</PortfolioRole\_Section>

<IsMainContact>true</IsMainContact>

<IsAutoNotify>false</IsAutoNotify>

<IsActive>true</IsActive>

<IsCurrent>false</IsCurrent>

<SortOrder>0</SortOrder>

<LastModified>2018-05-09T10:45:57.67</LastModified>

<LastModifiedBy>Chris Gibson</LastModifiedBy>

<GUID>9e4ea6b0-f565-4d12-8906-8837a2e372d4</GUID>

<ProjectsLinks>

<ProjectsLinksRow>

<CompProjID>231</CompProjID>

<SortOrder>0</SortOrder>

<Project\_Title>Package 2</Project\_Title>

<Project\_Identifier>3</Project\_Identifier>

<Project\_Guid>eb14b378-146f-11d4-816e-000102351bdf</Project\_Guid>

<Project\_DocumentType>MeridianSystems.Prolog.Business.Administration.Projects.ProjectsDocument</Project\_DocumentType>

<IsMainProjectContact>false</IsMainProjectContact>

<GUID>556487ad-d32b-457f-b312-3e5930ef6583</GUID>

</ProjectsLinksRow>

<ProjectsLinksRow>

<CompProjID>227</CompProjID>

<SortOrder>0</SortOrder>

<Project\_Title>Downtown Medical Center</Project\_Title>

<Project\_Identifier>4</Project\_Identifier>

<Project\_Guid>7d6e8c09-2bc9-11d4-9a64-006097901016</Project\_Guid>

<Project\_DocumentType>MeridianSystems.Prolog.Business.Administration.Projects.ProjectsDocument</Project\_DocumentType>

<IsMainProjectContact>false</IsMainProjectContact>

<GUID>029b1328-4f6d-4b8c-8a9c-ccef21f8ad8b</GUID>

</ProjectsLinksRow>

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<CompProjID>229</CompProjID>

<SortOrder>0</SortOrder>

<Project\_Title>Newtown Convention Center</Project\_Title>

<Project\_Identifier>5</Project\_Identifier>

<Project\_Guid>529878c6-9c7a-4179-9b4d-872d6173721a</Project\_Guid>

<Project\_DocumentType>MeridianSystems.Prolog.Business.Administration.Projects.ProjectsDocument</Project\_DocumentType>

<IsMainProjectContact>false</IsMainProjectContact>

<GUID>2f746682-aee7-448b-98b6-0f855360e0f5</GUID> </ProjectsLinksRow>

<ProjectsLinksRow>

<CompProjID>228</CompProjID>

<SortOrder>0</SortOrder>

<Project\_Title>Eagleridge Town Square</Project\_Title>

<Project\_Identifier>6</Project\_Identifier>

<Project\_Guid>e6d4addf-88fc-44fd-a76f-38c44e66976b</Project\_Guid>

<Project\_DocumentType>MeridianSystems.Prolog.Business.Administration.Projects.ProjectsDocument</Project\_DocumentType>

<IsMainProjectContact>false</IsMainProjectContact>

<GUID>036b017c-e2f5-41c8-b119-b299d551585e</GUID>

</ProjectsLinksRow>

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<CompProjID>233</CompProjID>

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<FirstName>John</FirstName>

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<FirstName>John</FirstName>

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<Project\_Identifier>11</Project\_Identifier>

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<PortfolioName>Prolog\_Sample</PortfolioName>

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<GlobalRecord\_ProjectID>4</GlobalRecord\_ProjectID>

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<GlobalRecord\_RoutingStatus>0</GlobalRecord\_RoutingStatus>

<GlobalRecord\_GlobalRoutingItems/>

</DocumentData>

</SaveDocumentResult>

</SaveDocumentResponse>

</soap:Body>

</soap:Envelope>

**Call #6:** AddOrUpdateUser Request

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Header>

<Security xmlns="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<o:UsernameToken u:id="8b1f5957-8dda-4657-9d29-02cfddfb7cce" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<o:Username>ServiceNowTest</o:Username>

<o:Password>service123</o:Password>

<o:Nonce>J7SezqhGt7XG9RZB3VhjnzREbXs=</o:Nonce>

</o:UsernameToken>

</Security>

<TargetPortfolio xmlns="http://www.mps.com/Prolog/webservices">Clark\_Office</TargetPortfolio>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<AddOrUpdateUser xmlns="uri://meridiansystems.com/prolog/connect/administrationservice">

<user>

<UserName>John Simpson1</UserName>

<Password>fred</Password>

<ExpiresOn xsi:type="xsd:dateTime">2028-04-17T08:29:59.5995905-07:00</ExpiresOn>

<ContactID>DAVSIL</ContactID>

<DefGroupID>164</DefGroupID>

<DefGroupName>MTT - Client</DefGroupName>

<AllowedApp>2</AllowedApp>

<ProjectPermissions>

<UserProjectPermission>

<ProjectID>7</ProjectID>

<GroupID>164</GroupID>

<GroupName>MTT - Client</GroupName>

</UserProjectPermission>

</ProjectPermissions>

</user>

<okToCreateIfUserDoesntExist>true</okToCreateIfUserDoesntExist>

</AddOrUpdateUser>

</s:Body>

</s:Envelope>

**Call #6:** AddOrUpdateUser Response

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">

<soap:Header>

<wsa:Action>uri://meridiansystems.com/prolog/connect/administrationservice/AddOrUpdateUserResponse</wsa:Action>

<wsa:MessageID>urn:uuid:d596d74f-e1ae-4cb8-a2e0-a2aa07216cbe</wsa:MessageID>

<wsa:RelatesTo>urn:uuid:327a729f-0fb7-4503-9c0b-30a9efc60aaf</wsa:RelatesTo>

<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>

</soap:Header>

<soap:Body>

<AddOrUpdateUserResponse xmlns="uri://meridiansystems.com/prolog/connect/administrationservice">

<AddOrUpdateUserResult>true</AddOrUpdateUserResult>

</AddOrUpdateUserResponse>

</soap:Body>

</soap:Envelope>

**Changes to** E:\Program Files\Meridian Systems\Prolog Converge\Business Layer\bin\Metabase\DatagroupList\Datagrouplist.xml (this change is in Prolog NOT ServiceNow)

<DatagroupObject xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" DatagroupID="9

" SystemName="User Groups" DisplayNameResourceID="frmUserGroups" PrimaryTable="tbl\_sp\_usergrps" PrimaryField="tbl\_sp\_usergrps.ID" ProjectFilter="">

<Fields>

<DatagroupFieldObject FieldName="tbl\_sp\_usergrps.ID" DatabaseField="tbl\_sp\_usergrps.ID" DbFieldType="Integer" IsDefaultPicklistField="true" />

<DatagroupFieldObject FieldName="tbl\_sp\_usergrps.Name" DatabaseField="tbl\_sp\_usergrps.Name" DbFieldType="WChar" />

<DatagroupFieldObject FieldName="tbl\_sp\_usergrps.Description" DatabaseField="tbl\_sp\_usergrps.Description" DbFieldType="WChar" />

<DatagroupFieldObject FieldName="tbl\_sp\_usergrps.Type" DatabaseField="tbl\_sp\_usergrps.Type" DbFieldType="SmallInt" />

<DatagroupFieldObject FieldName="tbl\_sp\_usergrps.GUID" DatabaseField="tbl\_sp\_usergrps.GUID" DbFieldType="GUID" />

</Fields>

<TableStructure xsi:type="DatagroupSingleTable" TableName="tbl\_sp\_usergrps" TableAlias="tbl\_sp\_usergrps" ApplicableExtenders="Datagroup" />

</DatagroupObject>

URLs for testing (the service is specified in the individual soapenv:envelope tags below):

US Test:

* https://convergeustest2.jacobs.com/

UK Test URL:

* convergeeutest.jacobs.com

AUS Test URL:

* convergeaustest.jacobs.com

A Prolog Account has been created for ServiceNow testing at each of the above URLs (please note this is not an AD account, and an AD account should not be required):

ServiceNowTest

service123