

ITG ServiceNow Pro Code Tech Short

Fall 2019 – New Your Release

MRVS (Multi-Row Variable Set) *in Service Portal record producers for scoped apps*



ACTIVITY ONE

Populate related list tables on the back end with MRVS data

BUSINESS REQUIREMENT:

Data captured in the taco and address MRVS of our record producer will need to be retained and easily accessed as additional data points, correlated along with the parent form information.

TECHNICAL APPROACH:

Write a script in the record producer. This script will need to parse (you will need JSON for this) each of your MRVS' and use this data to create new related list records. This should happen when the record producer is submitted, so this code will be contained in the record producer script.

HELPFUL LINKS:

[Record Producers](#) in New York

[Glide Record API](#) in New York

[JSON](#) crash course

TIPS:

You will need to parse the JSON MRVS to access each key value pair to set it into the appropriate target table field

Double check what is in your MRVS JSON string using parse and then stringify to add to your console or system logs*

Here is the FINAL CODE that I used to fulfill this business requirement, which may differ from working code you created.

```
/*code that shows me a detailed view of the captured MRVS, this is helpful for me if I need to debug*/
var tacoMRVS = producer.tacos;
var parsedTacoMRVS = JSON.parse(tacoMRVS);
gs.info(JSON.stringify(parsedTacoMRVS));
```

/* Using the Tacos multi-row variable set information gathered in my record producer, parse through and grab data points to be mapped into fields for a new 'Tacos' related record. This will create one record for each user entered MRVS row. Notice I named the variables in my MRVS exactly as they are named in the related list table. This makes my mapping scripts faster to write. */

```
tacoMRVS = JSON.parse(tacoMRVS);//defined above
if (tacoMRVS) { //only run if the user entered data
    for (var i = 0; i < tacoMRVS.length; i++) {
        var tacoRec = new GlideRecord('x_69648_mexican_fo_taco');
        tacoRec.initialize();
        tacoRec.setValue('parent', current.sys_id);//this sets the relationship to the parent table, a
parent field exists OOB in the task table (and tables extended from it)
        tacoRec.setValue('price', tacoMRVS[i].price);
        tacoRec.setValue('add_jalapenos', tacoMRVS[i].add_jalapenos);
        tacoRec.setValue('tortilla', tacoMRVS[i].tortilla);
        tacoRec.setValue('crunchy_soft', tacoMRVS[i].crunchy_soft);
        tacoRec.setValue('pico_de_gallo', tacoMRVS[i].pico_de_gallo);
        tacoRec.setValue('cheese', tacoMRVS[i].cheese);
        tacoRec.setValue('meat', tacoMRVS[i].meat);
        tacoRec.insert();
    }
}
```

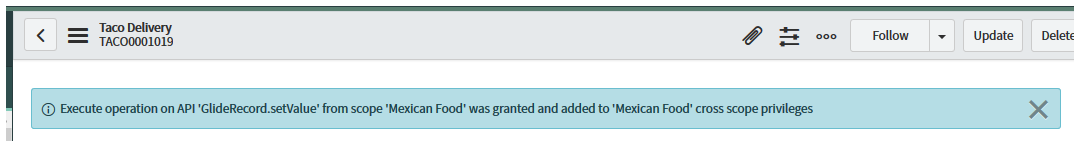
//Once again for the Customer Address MRVS'

```
var addressMRVS = producer.addresses;
addressMRVS = JSON.parse(addressMRVS);//defined above
if (addressMRVS) { //only run if the user entered data
    for (var j = 0; j < addressMRVS.length; j++) {
        var addRec = new GlideRecord('x_69648_mexican_fo_customer_address');
        addRec.initialize();
        addRec.setValue('parent_form', current.sys_id);//since this table was extended from
location, there was already a parent field used to set location hierarchy so I had to name this new field I
created differently than for the tacos related list table
        addRec.setValue('default_address', addressMRVS[j].default_address);
        addRec.setValue('city', addressMRVS[j].city);
        addRec.setValue('phone', addressMRVS[j].phone);
        addRec.setValue('state', addressMRVS[j].state);
        addRec.setValue('street', addressMRVS[j].street);
        addRec.setValue('name', addressMRVS[j].name);
        addRec.setValue('zip', addressMRVS[j].zip);
        addRec.insert();
    }
}
```

ADDITIONAL ITEMS OF NOTE:

Things you may or may not already know...

1. What is this error message??



If you are new to scoped application development, this message may take you by surprise. This is an info message (not an error message) advising you that a new record has been created [here](#).

