

CURD Operation Using ODATA

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// Create record synchronously using OData and JScript in CRM 2011

var account = { 'Address1_City': 'Hessisch Oldendorf', 'Name': 'Test' };

var createdAccount = createRecordSync(account, "AccountSet");
if (createdAccount) {
    alert("New Account Created !!!; Id - " + createdAccount.AccountId);
}

function createRecordSync(entityObject, odataSetName) {
    var jsonEntity = window.JSON.stringify(entityObject);
    // Get Server URL
    var serverUrl = Xrm.Page.context.getServerUrl();
    //The OData end-point
    var ODATA_ENDPOINT = "/XRMServices/2011/OrganizationData.svc";
    var createRecordReq = new XMLHttpRequest();
    var ODataPath = serverUrl + ODATA_ENDPOINT;
    createRecordReq.open('POST', ODataPath + "/" + odataSetName, false);
    createRecordReq.setRequestHeader("Accept", "application/json");
    createRecordReq.setRequestHeader("Content-Type", "application/json; charset=utf-8");
    createRecordReq.send(jsonEntity);
    var newRecord = JSON.parse(createRecordReq.responseText).d;
    return newRecord;
}

// Update record synchronously using OData and JScript in CRM 2011

function updateRecordSync(id, entityObject, odataSetName) {
    var jsonEntity = window.JSON.stringify(entityObject);
    // Get Server URL
    var serverUrl = Xrm.Page.context.getServerUrl();
    //The OData end-point
    var ODATA_ENDPOINT = "/XRMServices/2011/OrganizationData.svc";
    var updateRecordReq = new XMLHttpRequest();
    var ODataPath = serverUrl + ODATA_ENDPOINT;
    updateRecordReq.open('POST', ODataPath + "/" + odataSetName + "(guid'" + id + "')",
false);
    updateRecordReq.setRequestHeader("Accept", "application/json");
    updateRecordReq.setRequestHeader("Content-Type", "application/json; charset=utf-8");
    updateRecordReq.setRequestHeader("X-HTTP-Method", "MERGE");
    updateRecordReq.send(jsonEntity);
}

var account = { 'Name': 'Testing updated' };

updateRecordSync("DB280205-9DF3-E111-AF2B-0026B921612F", account, "AccountSet");

//Retrieve multiple records using OData & JQuery in CRM 2011

var accountId = "DF280205-9DF3-E111-AF2B-0026B921612F"; // Assign account GUID
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var filter = "AccountId/Id eq guid'" + accountId + "'";
var odataSetName = "AccountSet";

function readRecord(data, textStatus, XmlHttpRequest) {
    alert("Record read successfully!!");
    var account = data;
    alert("Name - " + account.d.Name);
    alert("Id - " + account.d.AccountId);
}

function retrieveRecord(id, odataSetName) {
    // Get Server URL
    var serverUrl = Xrm.Page.context.getServerUrl();
    //The OData end-point
    var ODATA_ENDPOINT = "/XRMServices/2011/OrganizationData.svc";
    //Asynchronous AJAX function to Retrieve a CRM record using OData
    $.ajax({
        type: "GET",
        contentType: "application/json; charset=utf-8",
        datatype: "json",
        url: serverUrl + ODATA_ENDPOINT + "/" + odataSetName + "(guid'" + id + "'",
        beforeSend: function (XMLHttpRequest) {
            //Specifying this header ensures that the results will be returned as JSON.
            XMLHttpRequest.setRequestHeader("Accept", "application/json");
        },
        success: function (data, textStatus, XmlHttpRequest) {
            readRecord(data, textStatus, XmlHttpRequest)
        },
        error: function (XMLHttpRequest, textStatus, errorThrown) {
            alert("Error - " + errorThrown)
        }
    });
}

// Delete record synchronously using OData and JScript in CRM 2011

var accountId = "97B9A65F-BCF4-E111-AC68-0026B921612F";
deleteRecordSync(accountId, "AccountSet");

function deleteRecordSync(recordId, odataSetName) {
    // Get Server URL
    var serverUrl = Xrm.Page.context.getServerUrl();
    //The OData end-point
    var ODATA_ENDPOINT = "/XRMServices/2011/OrganizationData.svc";
    var deleteRecordReq = new XMLHttpRequest();
    var ODataPath = serverUrl + ODATA_ENDPOINT;
    deleteRecordReq.open('POST', ODataPath + "/" + odataSetName + "(guid'" + recordId +
    "')", false);
    deleteRecordReq.setRequestHeader("Accept", "application/json");
    deleteRecordReq.setRequestHeader("Content-Type", "application/json; charset=utf-8");
    deleteRecordReq.setRequestHeader("X-HTTP-Method", "DELETE");
    deleteRecordReq.send(null);
}

```

