API Logs

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# Overview

## Bundle Purpose

Log API calls made to and from NetSuite. Keeps track of parameters, headers, errors and more.

## Bundle Components

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## Guidelines for Use

RESTLet example:

**function** doPost(payload) {

/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/

**var** APILog = **new** apiLog.APILog({"method":"POST","body":payload});

/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/

**var** output = {};

// Using switch to also prevent misuse of the script

**switch**(payload.action){

**case** "createItemFulfillment":

output = createItemFulfillment(payload);

**break**;

**default**:

output = {error: {code: 'UNKNOWN\_ACTION',message: 'Request payload invalid. Unknown action call.'}};

}

/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/

**var** logOptions = {};

**if**(output.error) logOptions.error = output.error

logOptions.transaction = (output.id || output.salesorderid || output.purchaseorderid || '');// in this case id = transaction ID

**if**(output.entity) logOptions.entity = output.entity;

log.debug('logging to api log id = '+APILog.currentLogId,logOptions);

APILog.setLog(logOptions);

/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/

**return** output;

}

Sending calls (POST, GET, PUT)

**var** tokenRequest = apiLog.post({

headers:{

"Accept": "application/json",

"Content-Type": "application/json"

},

url:tokenURL,

body: {

"client\_id": APP\_KEY,

"client\_secret": "m7aTippXftRxTazgFGQQslqGnOdYyievrhOfqQ51",

"grant\_type": "client\_credentials"

}

});

Suitelet Example

**function** onRequest(context) {

**var** request = context.request;

**var** response = context.response;

/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/

**var** APILog = **new** apiLog.APILog({"request":request});

/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/

Other Examples

*/\*\*\*\*\*\*\* Options \*\*\*\*\*\*\*\*\*/*// Shows options available when creating a log  
var options = {  
 "request": request, // log the request  
 "transaction": transactionId, // internalid of a transaction  
 "entity": entityId, // internalid of an entity  
 "item": itemId // internalid of an item  
};  
var APILog = new api.APILog(options);  
*/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/*

*/\*\*\*\*\*\*\* Errors and Response \*\*\*\*\*\*\*\*\*/*// returns the response, apilog, and errors  
var apiResponse = api.get({  
 url: this.JIRA\_DOMAIN+"project/"+jiraKey,  
 headers: this.HEADERS  
});  
if(apiResponse.error){  
 var errObj = error.create({name: apiResponse.error.name,message : apiResponse.error.message, notifyOff: true});  
 throw errObj;  
}  
var apilog = apiResponse.apilog; // the api log object  
var response = apiResponse.response; // the body of the response  
*/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/*

*/\*\*\*\*\*\*\* Set Values After \*\*\*\*\*\*\*\*\*/* // Shows options available when creating a log  
var apiResponse = api.post({  
 url: this.JIRA\_DOMAIN+"worklog/list",  
 headers: this.HEADERS,  
 body:JSON.stringify({"ids":ids})  
 });  
var apilog = apiResponse.apilog;  
if(apiResponse.error){  
 apilog.setLog({  
 error: {"name":apiResponse.error.name,"message":apiResponse.error.message}  
 });  
}  
apilog.setLog({  
 entity: this.PROJECT\_INFO.internalid  
});  
// see Options above for other setLog values  
*/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/*

*/\*\*\*\*\*\*\* Defaults \*\*\*\*\*\*\*\*\*/*var APILog = new api.APILog();  
APILog.debug = false; // turn on debug logging  
APILog.scriptId  
APILog.deploymentId  
APILog.envType  
APILog.currentLogId // internalid value of the current log record  
  
addLog(options) // function to add a new log - typically called internally  
setLog(options) // function to add options/values to the log instance  
  
// POST, GET, PUT extends the NetSuite N/http and N/https module to include an API Log  
api.post  
api.get  
api.put  
  
*/\*\*\*\*\*\*\* API LOG \*\*\*\*\*\*\*\*\*/*

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