

Reseller Extensions 1.0 (WC)

CWS Reseller Extensions are API methods exposed to Resellers of cloud services under a distributor or marketplace owner to provide custom experiences for their End customers.

BASE URL: cws.cloud-marketplace.jp

NOTE

1) For every web-service call we should include Reseller API KEY and SECRET in headers as Basic Authentication

Example : Content-Type:application/json

Authorization:Basic [Encoded API KEY and SECRET]

2) For customer related APIs customer should pass the x-auth-token in headers which can be retrieved from Create Customer Token

Example : Content-Type:application/json

Authorization: [Encoded API KEY and SECRET]

x-auth-token: [x-auth-token]

Create Customer Token

Customer token is required to perform actions on customer account and other api actions

Use following API to generate Customer Token

Action	API	Sample request
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Create Customer token	POST /createtoken Pass API KEY AND API SECRET as Basic Authorization in headers.	Request <pre>{ "userid":["userid"], "accountid":["accountid"] }</pre> Response <pre>{ "result": { "response": { "respcode": 200, "x-auth-token": ["x-auth-token"] }, "success": true, "message": "Customer x-auth-token created successfully" } }</pre> Error Response <pre>// API KEY or API SECRET error { "result": { "response": { "errorcode": 401, "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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Account and User Management

Action	API	Sample
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Create Account	POST /api/account	Request <pre> { "accountname": "[accountname]", "phone": "[companyphone]", "userinfo": { "firstname": "[firstname]", "lastname": "[lastname]", "email": "[email]", "role": "[role]", "phone": "[personalphone]", "password": "[password]" }, "address": { "addressline1": "[addressline1]", "addressline2": "[addressline2]", "city": "[city]", "state": "[state]", "postalcode": "[postalcode]", "country": "[country]" }, "additionalattributes": { "billingaddress": { "companyname": ["companyName"], "Address1": ["address"], "Address2": ["address"], "City": ["city"], "State": ["state"], "ZipCode": ["zipcode"], "Country": ["country"], "fax": ["fax"], "email_id": ["email"], "department": ["department"], "FirstName": ["firstname"], "LastName": ["lastname"] }, "contractinfo": { "department": ["department"], "person_name": ["incharge"], "phone": ["phone"], "email_id": ["email"] }, "invoiceinfo": { "companyname": ["companyname"], "postcode": ["postcode"], "state": ["state"], "address1": ["address1"], "address2": ["address2"], "phone": ["phone"], "fax": ["fax"], </pre>
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		<pre> "email": ["email"], "department": ["department"], "firstname": ["firstname"], "lastname": ["lastname"] }, "quotinginfo": { "companyname": ["companyname"], "postcode": ["postcode"], "state": ["state"], "address1": ["address1"], "address2": ["address2"], "phone": ["phone"], "fax": ["fax"], "email": ["email"], "department": ["department"], "note": ["note"] }, "custominfo": { "param1":["param1"], "param2":["param2"] }, "externalreferences": { "referenceaccountid": ["referenceaccountid"], "accountmanagerid": ["accountmanagerid"], "accountmanager": ["accountmanager"], "accountmanageruserid": ["accountmanageruserid"] } } }</pre> <p>Response</p> <pre>{ "result":{ "response": { "accountid":"[accountid]", "respcode" :200 }, "success":true, "message":"Account created successfully" } }</pre> <p>Error Response</p> <pre>//Duplicate email error { "result": { "response": {</pre>
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		<pre> "respcode": 400 }, "success": false, "message": { "reason": "Username must be unique - Email already exists in the system" } } //Duplicate account name error { "result": { "response": { "respcode": 400 }, "success": false, "message": { "reason": "AccountName must be unique - Account Name already exists in the system" } } }</pre>
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<p>Update Account</p>	<p>PUT /api/account</p> <p>NOTE: This API needs customer token</p>	<p>Request</p> <pre>{ "accountname":"[accountname]", "phone":"[companyphone]", "address":{ "addressline1":"[addressline1]", "addressline2":"[addressline1]", "city":"[city]", "state":"[state]", "postalcode":"[postalcode]", "country":"[country]" }, "additionalattributes": { "billingaddress": { "companyname": ["companyName"], "Address1": ["address"], "Address2": ["address"], "City": ["city"], "State": ["state"], "ZipCode": ["zipcode"], "Country": ["country"], "fax": ["fax"], "email_id": ["email"], "department": ["department"], "FirstName": ["firstname"], "LastName": ["lastname"] }, "contractinfo": { "department": ["department"], "person_name": ["incharge"], "phone": ["phone"], "email_id": ["email"] }, "invoiceinfo": { "companyname": ["companyname"], "postcode": ["postcode"], "state": ["state"], "address1": ["address1"], "address2": ["address2"], "phone": ["phone"], "fax": ["fax"], "email": ["email"], "department": ["department"], "firstname": ["firstname"], "lastname": ["lastname"] } } }</pre>
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		<pre> "quotinginfo": { "companyname": ["companyname"], "postcode": ["postcode"], "state": ["state"], "address1": ["address1"], "address2": ["address2"], "phone": ["phone"], "fax": ["fax"], "email": ["email"], "department": ["department"], "note": ["note"] }, "custominfo": { "param1":["param1"], "param2":["param2"] }, "externalreferences": { "referenceaccountid": ["referenceaccountid"], "accountmanagerid": ["accountmanagerid"], "accountmanager": ["accountmanager"], "accountmanageruserid": ["accountmanageruserid"] } }, "requestor":{ "accountid":"[accountid]" } } Response { "result":{ "response": { "accountid":"123456789", "respcode" :200 }, "success":true, "message":"Account updated successfully" } } Error Response // Invalid account id error { "result": { "response": { "errormessage": "Account not exists", "respcode": 400 }, }, }</pre>
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		<pre> "success": false, "message": "failed to update Account" } } //API KEY or API SECRET error { "result": { "response": { "errorMessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //Invalid x-auth-token error { "result": { "response": { "errorMessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //x-auth-token error { "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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Delete Account	DELETE /api/account	<p>Request</p> <pre>{ "accountid": "32323232" }</pre> <p>Response</p> <pre>{ "result": { "response": { "accountid": "123456789", "respcode": 200 }, "success": true, "message": "Account deleted successfully" } }</pre> <p>Error Response</p> <pre>{ "result": { "response": { "errormessage": "The account doesn't exist.", "respcode": 404 }, "success": false, "message": "Account deletion failed" } }</pre>
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Get an Account	<p>GET /api/getaccount/:accountid</p> <p>NOTE: This API needs customer token</p>	<p>Request Get accountid from URL param</p> <p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "accounts": [{ "accountname": "ntcustomer", "accountstatus": "active", "accounttype": "customer", "additionalattributes": { "BillingAddress": { "Address1": "ntcustomer", "Address2": "ntcustomer", "City": "ntcustomer", "State": "ntcustomer", "ZipCode": "ntcustom", "Country": "JP", "company": "ntcustomer", "phone": "ntcustomer", "fax": "", "department": "ntcustomer",</pre>
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		<pre> "FirstName": "ntcustomer", "LastName": "ntcustomer", "email_id": "ntcustomer@yopmail.com" }, "ContractInfo": { "department": "ntcustomer", "person_name": "ntcustomer", "phone": "ntcustomer", "email_id": "ntcustomer@yopmail.com" } }, "adminname": "ntcustomer ntcustomer", "catalog_type": ["Corporate"], "channelcode": "NTTPC0704", "createdate": "2017-07- 23T14:35:42.932Z", "externalreferences": { "referenceaccountid": "3435",</pre>
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		<pre> "company_myno": "3243546576576" }, "parentid": "dfb1030c- f0da-4d9a-9281-a2bd45b7a801", "parenttype": "reseller", "phone": "ntcustomer", "updatedate": "2017-07- 23T14:35:42.932Z", "accountid": "0f5b2c41- 9a25-49b3-a9e8-8e539ce3cbc3", "profile": { "name": "ntcustomer", "email": "ntcustomer@yopmail.com", "address": { "address1": "ntcustomer", "address2": "ntcustomer", "city": "ntcustomer", "state": "ntcustomer", "country": "JP", "zip": "ntcustom", "phone": "ntcustomer" }, "accounttype": "customer", </pre>
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		<pre>], "success": true, "message": "Account retrieved successfully" } }</pre> <p>Error Response</p> <p>Note:Error response if invalid account is passed in URL params</p> <pre>{ "result": { "response": { "respcode": 400, "error": "Account not exists" }, "success": false, "message": "Account retrieving failed" } }</pre> <p>//API KEY or API SECRET error</p> <pre>{ "result": { "response": { "errorcode": 401, "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//Invalid x-auth-token error</p> <pre>{ "result": { "response": { "errormessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//Error response if x-auth-token is not passed in headers</p> <pre>{</pre>
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		<pre>"result": { "response": { "errormessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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Get All Accounts	GET /api/account GET api/account?accounttype=[accounttype]&accountstatus=[status]	Response <pre> { "result": { "response": { "respcode": 200, "accounts": [{ "accountid": "[accountid]", "accountname": "[accountname]", "accountstatus": "active", "accounttype": "customer", "additionalattributes": { "BillingAddress": { "Address1": "261 Shinmonzen dori", "Address2": "Umemotocho,", "City": "Higashiyama-ku", "State": "Tokyo", "ZipCode": "605-0064", "Country": "JP", "company": "account3", "phone": "3243546333", "fax": "", "department": "account3", "FirstName": "accountttt", "LastName": "accountttt", "email_id": "account3@yopmail.com" }, "ContractInfo": { "department": "account3", "person_name": "accountttt", "phone": "123654789", "email_id": "account3@yopmail.com" } } }] } } } </pre>
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		<pre> "company_myno": "34654687687468", "accountmanagerid": "6", "accountmanager": "5", "accountmanageruserid": "5325" }, "catalog_type": ["Corporate"], "parentid": "dfb1030c-f0da-4d9a-9281- a2bd45b7a801", "parenttype": "reseller", "additionalattributes": { "BillingAddress": { "Address1": "261 Shinmonzen dori", "Address2": "Flat no 105", "City": "Tokyo", "State": "CA", "ZipCode": "605-0064", "Country": "US", "FAX": "989- 8788657", >Email": "crt@example.com", >Department": "Accounts", >FirstName": "arjun" }, "ContractInfo": { "Department": "Accounting5", >Incharge": "test", >Phone": "22222222", >Email": "actcorp@example.com" }, "InvoiceInfo": { "CompanyName": "Newact", >PostCode": "65667656", </pre>
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		<pre> "State": "Andhraa", "Address1": "jublee hills , Hitech city,hyderabad", "Address2": "jublee hills , Hitech city,hyderabad", "Phone": "887877657", "Email": "ivncorp@example.com", "Department": "Accounts", "LastName": "new" }, "QuotingInfo": { "CompanyName": "NTTPCTEST", "PostCode": "65667656", "State": "Andhraa", "Address1": "jublee hills , Hitech city,hyderabad", "Address2": "jublee hills , Hitech city,hyderabad", "Phone": "887877657", "FAX": "989- 8788657", "Email": "crt@gmail.com", "Department": "Accounts", "Note": "Important" }, "CustomInfo": { "CompanyName": "NTTPC5", "PostCode": "65667656", "State": "Andhraa", "Address1": "jublee hills , Hitech city,hyderabad", "Address2": "jublee hills , Hitech city,hyderabad", "Phone": "887877657" </pre>
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		<pre> } } }]] }, "success": true, "message": "Account retrieved successfully" } } Error Response //API KEY or API SECRET error { "result": { "response": { "errorMessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //Invalid x-auth-token error { "result": { "response": { "errorMessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //x-auth-token error { "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed"</pre>
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		}
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Create User	<div>POST /api/user</div> <div>NOTE: This API needs customer token</div>	<div>Request</div> <pre>{ "firstname":"[firstname]", "lastname":"[lastname]", "email":"[email]", "phone":["personalphone"], "role":["role"], "password":["password"], "requestor":{ "accountid":"[accountid]" } }</pre> <div>Response</div> <pre>{ "result": { "response": { "respcode": 201, "userid": "20752698" }, "success": true, "message": "User created successfully" } }</pre> <div>Error Response</div> <pre>//User already exists error { "result": { "response": { "respcode": 400, "errormessage": "The email address already exists" }, "success": false, "message": "User creation failed" } }</pre> <pre>//Error response if invalid API KEY or API SECRET is passed { "result": { "response": { "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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		<pre>//Invalid x-auth-token error { "result": { "response": { "errormessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //x-auth-token error { "result": { "response": { "errormessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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Update user	<div>PUT /api/user</div> <div>NOTE: This API needs customer token</div>	<div><div>Request</div><pre>{ "firstname":"[firstname]", "lastname":"[lastname]", "phone":"[personalphone]", "role":"[role]", "password":["password"], "requestor":{ "accountid":"[accountid]", "userid":"[userid]" } }</pre></div> <div><div>Response</div><pre>{ "result":{ "response": { "userid":"123456789", "respcode" :200 }, "success":true, "message":"User updated successfully" } }</pre></div> <div><div>Error Response</div><pre>{ "result": { "response": { "errorMessage": "user not exist", "respcode": 400 }, "success": false, "message": "failed to update user" } }</pre></div> <div><div>//x-auth-token error</div><pre>{ "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre></div>
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		<pre>//Invalid x-auth-token error { "result": { "response": { "errormessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //invalid API key and API secret error { "result": { "response": { "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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Delete User	<p>DELETE /api/user/:userid</p> <p>NOTE: This API needs customer token</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "userid": "5752ea99-4b56-4d8d-b2f4-ffba68c9ab30" }, "success": true, "message": "User deleted successfully" } }</pre> <p>Error Response</p> <pre>{ "result":{ "response":{ "errorMessage":"The user doesn't exist.", "respcode" :404 }, "success":false, "message":"User deletion failed" } }</pre> <p>//x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//Invalid x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false,</pre>
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		<pre> "message": "Authentication failed" } //invalid API key and API secret error { "result": { "response": { "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" } }</pre>
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<p>Get a user</p>	<p>GET /userinfo/:userid</p> <p>NOTE: This API needs customer token</p>	<p>Request Get userid from URL param</p> <p>Response</p> <pre>{ "result":{ "response": { "respcode" :200, "users":[{ "firstname":"[firstname]", "lastname":"[lastname]", "email":"[email]", "phone":"[personalphone]", "role":["role"] }], "success":true, "message":"User retrieved successfully" } } }</pre> <p>Error Response</p> <pre>{ "result": { "response": { "respcode": 403, "errorcode": "BZSSS1452E", "errormessage": "The user is not authorized to perform this operation." }, "success": false, "message": "The user is not authorized to perform this operation." } }</pre> <p>//x-auth-token error</p> <pre>{ "result": { "response": { "errormessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false,</pre>
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		<pre>"message": "Authentication failed" } //Invalid x-auth-token error { "result": { "response": { "errormessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //invalid API key and API secret error { "result": { "response": { "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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Get All users belong to particular account	GET /usersinfo/:accountid	<p>Request</p> <p>Response</p> <pre>{ "result":{ "response": { "respcode" :200, "users":[{ "firstname":"[firstname]", "lastname":"[lastname]", "email":"[email]", "phone":"[personalphone]", "role":["role"] }], "success":true, "message":"Users retrieved successfully" } } }</pre> <p>Error Response</p> <pre>{ "result": { "response": { "errorcode": 400, "errormessage": { "reason": "Account not exists" }, "respcode": 400 }, "success": false, "message": "User retrieval failed" } }</pre>
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Invoice data

Action	API	
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<p>GET invoices of a customer</p>	<p>GET /accountinvoice?accountId=<accountid></p> <p>GET /accountinvoice?accountId=<accountid>&startdate=<startdate>&enddate=<enddate></p> <p>GET /accountinvoice?accountId=<accountid>&startdate=<startdate>&enddate=<enddate>&offset=0&count=10</p> <p>Account can be Reseller/Customer</p>	<p>Response</p> <pre>{ "result":{ "respo "r "a "a ["reseller/cus "u 01T00:00:00+00 "u 01T00:00:00+00 in "invoiceduedat "invoiceduedat], }, "succe "messa } }</pre> <p>Error Response</p> <pre>{ "result": { "response" "respcod "errorme }, "success": "message": }</pre>
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GET Line items for a particular invoice	GET / invoice/:invoiceid	Customer Invoice { "result":{ "respo "accoun "admin "accoun "accoun "accoun "invoic "amount "coupon "vatper "vatamo "totala "instan "resour "resour "lineit "usage "usage "create "unitpr "pricin "quant "amount
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		<div>"addit: "param: "param: "instan "resou "resou "lineit "usaget "usaget "create "unitpr "pricin "quant: "amount "addit: "param: "param: }, "succe "messa } } Reseller Invoice "result":{ "respo "accoun "admine "accoun</div>
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		"account
		"account
		"invoice
		"amount
		"coupon
		"vatper
		"vatamo
		"totala
		"resour
		"resour
		"resour
		"lineit
		"unitpr
		"pricin
		"quant
		"amount
		"addit
		"resour
		"resour
		"resour
		"lineit
		"unitpr

		<pre>"pricing": "quantity": "amount": "additional": }, "succeeded": "message": } } Error Response { "result": "response": "reason": "error": }, "succeeded": "message": } }</pre>
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AgentCommisions/Statements	GET /commissions?accountId=<agentaccountid>	<div>Response<pre>{ "result": { "response": { "respcod": "968c1a55ce66", "account": "usagest", "usageest": "usageen", "commiss": { "Com": "bfd5-000d3a237", "cur": "com", "Amo": "Amo" }, "Com": "bfd5-000d3a237", "cur": "com", "Amo": "Amo" } }, "success": "message": }</pre></div> <div>Error Response<pre>{ "result": { "response": { "respcod": "message": } }, "success": "message": }</pre></div>
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<p>Agent Commissions/Statements Details</p>	<p>GET /commissiondetails/:commisionid</p>	<p>Response</p> <pre>{ "result": { "response": { "account": { "accou": "968c1a55ce66", "admin": "accou", "accou": "accou" }, "commiss": { "Commi": "commi", "curre": "amoun" }, "lineite": { "cus": "Cus", "ins": "d4d0881b12c9", "res": "res", "lin": "usa", "cre": "usa", "usa": "usa", "uni": "pri", "qua": "amo", "act": "pro" }, { "cus": "Cus", "ins": "d4d0881b12c9", "res": "res", "lin": "Reverted", "usa": "usa", "cre": "usa", "usa": "uni", "pri": "qua", "amo": "amo" } } } }</pre>
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		<pre> "act "pro }] } } }</pre> <p>Error Response</p> <pre>{ "result": "respo "r "e found" }, "succe "messa } }</pre>
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Resources End Points

Action	API	Sample
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Get Resource	<p>GET /resourceQuery/query/saas</p> <p>e.g.The above API call will give all SaaS Resources (Catalog Products)</p>	<p>Response</p> <pre>[{ "uri": "saas/microsoft/us/configurable- 02c07b64-2cd3-4667-b014-561192fc5d1a", "description": "Office 365 Enterprise E5 without PSTN Conferencing", "name": "Skype for Business Online (Plan 2)", "providerResourceId": "/3c95518e-8c37-41e3-9627- 0ca339200f53/offers/14c61739-b45a-42c0- 832c-d330972d3173", "ShortDescription": "Office 365 Enterprise E5 without PSTN Conferencing", "specialOffer": "", "options": { "size": { "label": "1-10000000", "min": { "value": 1, } } }, "SubscriptionServiceTermCharges": [{ "SequenceNumber": 1, "ChargePeriodUnit": {}, "ChargePeriodValue": 1, "ChargeAmount": 3810, "ChargeAmountUnit": "/mo", "CurrencyCode": "JPY", "IsEnabled": 1 }], "max": 10000000, "interval": { "value": "1", } }, { "SubscriptionServiceTermCharges": [{ "SequenceNumber": 1, "ChargePeriodUnit": {}, "ChargePeriodValue": 1,</pre>
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		<pre> "ChargeAmount": 3810, "ChargeAmountUnit": "/mo", "CurrencyCode": "JPY", "IsEnabled": 1 }] } }, "languageCode": "ja_jp", "channelCode": "nttpc", "currencyCode": "jpy", "costPerUnit": "3045 JPY", "costUnit": "/mo", "listPrice": 3810, "displayCost": 3810, "isAvailable": "0", "provider": "", "region": "", "id": "saas_microsoft_us_configurable- 02c07b64-2cd3-4667-b014-561192fc5d1a", "providerId": "", "rank": "saas_microsoft_us_configurable- 02c07b64-2cd3-4667-b014-561192fc5d1a", "updated": "2017-06- 18T18:53:29.649Z" }] </pre>
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Workloads and Instances Management

CWS includes workloads and instance APIs to create/manage workloads and service instances.

Workload

Action	API	Sample
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Create New Workload/Order	<p><i>POST api/workload</i></p> <p>Note:</p> <p>In the workload request call, the "uri" (Request URI for a resource) should be taken from <i>GET resource call's</i> response attribute.</p> <p>NOTE: This API needs customer token</p>	<p>Request</p> <pre>{ "name": "Workload-Process", "description": "Workload-Process", "elements": [{ "name": "CNW0E34E_65B4_730F_8B48_78AB1FF12A4A", "uri": "saas/microsoft/us/configurable-bd938f12-058f-4927-bba3-ae36b1d2501c", "parameters": { "licenseQuantity" : 1, "sizeInGBytes" : 1, "domainName" : "testddon.onmicrosoft.com" }, "metadata": { "name" : "Office 365 Business Essentials", "description" : "Office 365 Business Essentials" } }] }</pre> <p>Response</p> <pre>{ "workloadId": "fdcbcd79-6c08-47d0-d081da3996a5", "source": "gateway", "channelCode": "nttpc", "languageCode": "ja_jp", "currencyCode": "jpy", "ownerId": "a68b704c-e781-4816-902b432ff70666f", "uniqueName": "workload-process", "name": "Workload-Process", "description": "Workload-Process", "bpState": "ready", "displayState": "Empty", "created": "2017-06-25T11:27:45.88", "elements": [{ "name": "CNW0E34E_65B4_730F_8B48_78AB1FF12A4A", "uri": "saas/microsoft/us/configurable-bd938f12-058f-4927-bba3-ae36b1d2501c", "parameters": { "licenseQuantity": 1, "sizeInGBytes": 1, "commitment": "Monthly" } }] }</pre>
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		<pre> "domainName": "testddon.onmicrosoft.com" }, "metadata": { "name": "Office 365 Bu Essentials", "description": "Office Business Essentials", "providerlogo": "", "sku": "office-365-bus essentials-bd938f12-058f-4927-bba3- ae36b1d2501c-domain" }] } }</pre> <p>Error Response</p> <pre>//x-auth-token error { "result": { "response": { "errorMessage": "Need to pass x- token", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //Invalid x-auth-token error { "result": { "response": { "errorMessage": "Invalid x token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //invalid API key and API secret error { "result": { "response": { "errorMessage": "Invalid API KEY SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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		<pre>//Duplicate workload error { "result": { "response": { "respcode": 400, "error": { "code": 400, "message": "duplicate or simil workload name: cwsbillingworkload12", "ticket": "clfbd9bc-6802-498a- ad4b212d8ee6" } }, "success": false, "message": "Workload creation fail } }</pre>
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Generate Workload Execution Plan	<p><i>PUT</i> <i>/workload/workloadid/plan?action=activate</i></p> <p>NOTE: This API needs customer token</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "status": { "workloadStatus": "in-progress", "action": "plan-activate" } }, "success": true, "message": "plan-activate" } }</pre> <p>Error Response</p> <p>//API KEY or API SECRET error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid API KEY SECRET", "respcode": 401 }, "success": false, "message": "Authentication failed" } }</pre> <p>//Invalid x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid x-auth-token ", "respcode": 401 }, "success": false, "message": "Authentication failed" } }</pre> <p>//x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 }, "success": false, "message": "Authentication failed" } }</pre>
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<p>Execute Workload</p>	<p><i>PUT /workload/workloadid/execute</i></p> <p>NOTE: This API needs customer token</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "status": { "workloadStatus": "in-progress", "action": "execute", "transactionId": "308bc21e-4d6d-b5c5-b4440481015e" } }, "success": true, "message": "execute" } }</pre> <p>Error Response</p> <p>//API KEY or API SECRET error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid API KEY SECRET", "respcode": 401 }, "success": false, "message": "Authentication failed" } }</pre> <p>//Invalid x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid x-auth-token ", "respcode": 401 }, "success": false, "message": "Authentication failed" } }</pre> <p>//x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 }, "success": false, "message": "Authentication failed" } }</pre>
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Transaction

Action	API	Sample
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<p>Get Steps</p>	<p>GET /transaction/transactionId/steps</p> <p>transactionId is taken from Execute Workload response above</p> <p>NOTE: This API needs customer token</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "steps": [{ "lsn": 1, "stepId": "0000_subscription_create_testwl254yt334", "timestamp": "2017-07-20T04:30:26.943Z", "status": "in-progress" }, { "lsn": 10, "stepId": "0000_subscription_create_testwl254yt334", "timestamp": "2017-07-20T04:30:39.160Z", "status": "completed", "elapsedTimeInSeconds": 12.201 }, { "lsn": 11, "stepId": "0001_saas_create_testwl254yt334", "timestamp": "2017-07-20T04:30:39.332Z", "status": "in-progress" }, { "lsn": 20, "stepId": "0001_saas_create_testwl254yt334", "timestamp": "2017-07-20T04:31:19.693Z", "status": "completed", "elapsedTimeInSeconds": 40.334 }] }, "success": true, "message": "Transaction steps retrieved successfully" } }</pre> <p>Error Response //API KEY or API SECRET error</p> <pre>{ "result": {</pre>
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		<pre>"response": { "errorMessage": "Invalid API KEY or API SECRET", "respcode": 401 }, "success": false, "message": "Authentication failed" } //Invalid x-auth-token error { "result": { "response": { "errorMessage": "Invalid x- auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //x-auth-token error { "result": { "response": { "errorMessage": "Need to pass x- auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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<p>Get Status</p>	<p>GET <i>/transaction/transactionId/status</i></p> <p>NOTE: This API needs customer token</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "status": { "transactionId": "308be776-c21e-4d6d-b5c5-b4440481015e", "workloadId": "37990f92- ee3b-4fd8-8aaf-99bf33dd770f", "ended": "2017-07- 20T04:31:20.781Z", "status": "completed", "elapsedTimeInSeconds": 54.026 } }, "success": true, "message": "Transaction status retrieved successfully" } }</pre> <p>Error Response</p> <p>//API KEY or API SECRET error</p> <pre>{ "result": { "response": { "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//Invalid x-auth-token error</p> <pre>{ "result": { "response": { "errormessage": "Invalid x- auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//x-auth-token error</p> <pre>{ "result": { "response": { "errormessage": "Need to pass x- auth-token",</pre>
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		<pre> "respcode": 401 }, }, "success": false, "message": "Authentication failed" } }</pre>
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Instance

Action	API	Sample
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<p>Get instances</p>	<p>GET <u>/getinstances?workloadId=[workloadid]</u></p> <p>workload id can be taken from create workload response</p> <p>NOTE: This API needs customer token</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "resources": [{ "instanceId": "f585249b-a334-420e-ae10-c783eda30c93", "originated": "2017-07-26T10:49:38.956Z", "created": "2017-07-26T00:00:00Z", "completed": "2017-07-26T10:50:04.269Z", "updated": "2017-07-26T12:57:37.089Z", "source": "workloadsv2", "ownerId": "79beb2db-8e2f-448c-ac15-65c9f793bclb", "resourceUri": "saas/microsoft/us/configurable-90d3615e-aa96-478e-b6ce-8ebl9a96b4b", "resourceType": "saas", "provider": "microsoft", "region": "us", "providerResourceId": "/3c95518e-8c37-41e3-9627-0ca339200f53/offers/90d3615e-aa96-478e-b6ce-8ebl9a96b4b", "attributes": { "providerInstanceId": "5b4dd505-eb46-4b8a-9e1d-a905b0b08d86+eb33ce1b-b1ed-43ee-90f3-b96520db66b1", "instanceStatus": "active", "userName": "admin@domaintesthack.onmicrosoft.com", "password": "dwsy0BbD", "saasUrl": { "OneDrive for Business (Plan 1)": "https://portal.office.com/default.aspx" }, "licenseQuantity": 3, "transientStatus": false, "expireDate": "2018-08-01T00:00:00Z", "previousLicenseQuantity": "2" }, "attributeTimestamps": { "instanceStatus": "2017-07-26T12:57:37.030Z", "userName": "2017-07-26T10:49:49.832Z",</pre>
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		<pre> "password": "2017-07- 26T10:49:49.835Z", "saasUrl": "2017-07- 26T12:57:37.032Z", "licenseQuantity": "2017-07- 26T12:57:37.034Z", "expireDate": "2017-07- 26T12:57:37.035Z" }, "metadata": { "name": "TestWL254yt334", "description": "Office 365 Business Essentials (Plan 1)", "providerlogo": "", "sku": "bd938f12-058f-4927- bba3-ae36b1d2501c", "account": false, "userId": "cccccccc-cccc- cccc-0000-cccccccccccc", "workloadId": "5fd85333-1466- 4014-8074-f959df81fb8e", "transactionId": "17870ce9- edd5-4e61-be87-f1b88c6efc6d" }, "parameters": { "licenseQuantity": 2, "sizeInGBytes": 1, "commitment": "Monthly commitment", "domainName": "pk1234.onmicrosoft.com", "additionalparameters": { "productnameforttpccatalog": "OneDrive for Business (Plan 1)", "productcategoryforttpccatalog": "saas", "productnameforresellercatalog": "OneDrive for Business (Plan 1)", "productcategoryforresellercatalog": "saas", "autorenewalperiod": "1", "reservationflag": "Yes", "reactivationflag": "No", "sellingpriceinitial": "0", "freeperiod": "1", "freeperiodflag": "Yes", "provisioningmethod": "api", "minimumusageperiod": "1", "endpointurlforprovisioning": "https://portal.office.com/default.aspx", "sellingpricemonthly": "0", </pre>
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		<pre> "wholesalepriceinitial": "0", "wholesalepricemonthly": "0", "referralfeeinitial": "0", "referralfeemonthly": "0", "purchasepriceinitial": "0", "purchasepricemonthly": "32", "nttpcmaximumquantity": "1", "addonproducts": null, "noteforquoting": "1", "noteforbilling": "1", "xionservicenumber": null, "xionservicename": null, "xiondetailsforinitial": null, "xiondetailsformonthly": null, "xiondetailsforother": null, "department": null, "emailaddress": null, "personincharge": null, "phoneno": null, "productnameforsystemlinkage": null }, "accountid": "79beb2db-8e2f- 448c-ac15-65c9f793bc1b", "accountName": "hackcus", "email": "hackcus@yopmail.com", "firstname": "pk", "lastname": "pk", "address1": "261 Shinmonzen dori", "city": "Higashiyama-ku", "region": " 鹿児島県 (Kagoshima)", "country": "JP", "postalcode": "605-0064", "phonenumber": "1234567890", "domainNameId": "pk1234.onmicrosoft.com", "saas_providerResourceId": "/3c95518e-8c37-41e3-9627- 0ca339200f53/offers/90d3615e-aa96-478e- b6ce-8eb1e9a96b4b", "zone": "us", "originalAction": "saas.create", "ownerId": "79beb2db-8e2f- 448c-ac15-65c9f793bc1b", </pre>
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		<pre> "resourceUri": "saas/microsoft/us/configurable-90d3615e- aa96-478e-b6ce-8e1e9a96b4b", "productParameters": { "saasUrl": { "OneDrive for Business (Plan 1)": "https://portal.office.com/default.aspx" } }, "workloadId": "5fd85333-1466- 4014-8074-f959df81fb8e", "transactionId": "17870ce9- edd5-4e61-be87-f1b88c6efc6d", "userId": "cccccccc-cccc- cccc-0000-cccccccccccc" }, "entitlement": "/dc5d3daa-44d2- 4154-b439-b46-4b8a-9e1d-a905b0b08d86" }], }, "success": true, "message": "Instances retrieved successfully" } }</pre> <p>Error Response</p> <pre>//API KEY or API SECRET error { "result": { "response": { "errorMessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" } //Invalid x-auth-token error { "result": { "response": { "errorMessage": "Invalid x- auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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<p>PUT</p> <p>update instance licenses</p>	<p>PUT</p> <p><i>For update licence →</i> <i>/instance/:instanceid?action=quantity</i></p> <p><i>For suspending saas product →</i> <i>/instance:instanceid?action=suspend</i></p> <p><i>For reactivating saas product →</i> <i>/instance/:instanceid?action=reactivate</i></p> <p><i>instance id is taken from response of get instances call</i></p> <p>NOTE: This API needs customer token</p>	<p>Request //This request is for 'action=quantity' only <pre>{ "licenseQuantity" : 4 }</pre></p> <p>Response <pre>{ "result": { "response": { "respcode": 200, "request": { "requestId": "c32eb5f5-342c-44e5-b819-37bdb4e3e4ad", "instanceId": "f585249b-a334-420e-ae10-c783eda30c93", "created": "2017-07-26T13:12:56.743Z", "updated": "2017-07-26T13:12:56.743Z", "ownerId": "79beb2db-8e2f-448c-ac15-65c9f793bc1b", "requestStatus": "in-progress", "resourceUri": "saas/microsoft/us/configurable-90d3615e-aa96-478e-b6ce-8eb1e9a96b4b", "resourceType": "saas", "provider": "microsoft", "region": "us", "connector": "microsoft.crest", "parameters": { "licenseQuantity": "2", "providerInstanceId": "5b4dd505-eb46-4b8a-9e1d-a905b0b08d86+eb33ce1b-b1ed-43ee-90f3-b96520db66b1", "action": "saas.update.quantity", "instanceId": "f585249b-a334-420e-ae10-c783eda30c93", "saas_providerResourceId": "/3c95518e-8c37-41e3-9627-0ca339200f53/offers/90d3615e-aa96-478e-b6ce-8eb1e9a96b4b", "zone": "us" }, "metadata": { "name": "TestWL254yt334", "description": "Office 365 Business Essentials (Plan 1)", "providerlogo": "", "sku": "bd938f12-058f-4927-bba3-ae36b1d2501c", "account": false, </pre></p>
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		<pre> "userId": "cccccccc-cccc-cccc-0000-cccccccccccc", "workloadId": "5fd85333-1466-4014-8074-f959df81fb8e", "transactionId": "17870ce9-edd5-4e61-be87-f1b88c6efc6d" } }, "success": true, "message": "Instances Updated successfully" }</pre> <p>Error Response</p> <p>//API KEY or API SECRET error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid API KEY or API SECRET", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//Invalid x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Invalid x-auth-token ", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre> <p>//x-auth-token error</p> <pre>{ "result": { "response": { "errorMessage": "Need to pass x-auth-token", "respcode": 401 } }, "success": false, "message": "Authentication failed" }</pre>
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<p>Get Request status</p>	<p>GET /request/:requestid</p> <p>we can get requestid from the response of update instance</p>	<p>Response</p> <pre>{ "result": { "response": { "respcode": 200, "request": [{ "requestId": "2ca9181d-6480-4c89-afdc-8c67659a3a21", "instanceId": "cfa352bb-e38d-4103-9b49-96e0f35e6090", "created": "2017-07- 26T19:39:47.096Z", "updated": "2017-07- 26T19:39:55.592Z", "ownerId": "14fb8644- 5724-486a-9c25-88593e35e893", "requestStatus": "completed", "resourceUri": "saas/microsoft/us/configurable-90d3615e- aa96-478e-b6ce-8eble9a96b4b", "resourceType": "saas", "provider": "microsoft", "region": "us", "connector": "microsoft.crest", "parameters": { "providerInstanceId": "8f4d9d32-739b- 473a-b924-a0c0082147c9+46888877-a14e- 49be-9faf-ccc6ce9b632a", "action": "saas.update.reactivate", "instanceId": "cfa352bb-e38d-4103-9b49-96e0f35e6090", "saas_providerResourceId": "/3c95518e- 8c37-41e3-9627- 0ca339200f53/offers/90d3615e-aa96-478e- b6ce-8eble9a96b4b", "zone": "us" }, "metadata": { "name": "CWS1", "description": "OneDrive for Business (Plan 1)", "account": false, "userId": "ccccccccc-cccc-cccc-0000-ccccccccccccc", "workloadId": "3ff02f63-15d9-4e03-b01d-93b0a9c5e2b1", "transactionId": "f9944227-5a46-4a43-bdb5-3e72780226ef" } }] } } }</pre>
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		<pre> }, "results": { "providerInstanceId": "8f4d9d32-739b-473a-b924-a0c0082147c9+46888877-a14e-49be-9faf-ccc6ce9b632a", "instanceStatus": "active", "action": "saas.update.reactivate", "instanceId": "cfa352bb-e38d-4103-9b49-96e0f35e6090", "saas_providerResourceId": "/3c95518e-8c37-41e3-9627-0ca339200f53/offers/90d3615e-aa96-478e-b6ce-8eble9a96b4b", "zone": "us", "originalAction": "saas.update.reactivate", "ownerId": "14fb8644-5724-486a-9c25-88593e35e893", "resourceUri": "saas/microsoft/us/configurable-90d3615e-aa96-478e-b6ce-8eble9a96b4b", "productParameters": { "saasUrl": { "OneDrive for Business (Plan 1)": "https://portal.office.com/default.aspx" } }, "workloadId": "3ff02f63-15d9-4e03-b01d-93b0a9c5e2b1", "transactionId": "f9944227-5a46-4a43-bdb5-3e72780226ef", "userId": "cccccccc-cccc-cccc-0000-cccccccccccc" } }], }, "success": true, "message": "Request retrieved successfully" } } Error Response //API KEY or API SECRET error { "result": { "response": { "errormessage": "Invalid API KEY or API SECRET", "respcode": 401 } } }</pre>
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		<pre> } }, "success": false, "message": "Authentication failed" } //request not found error { "result": { "response": { "respcode": 400, "errormessage": "request not found: requestId: 79beb2db-8e2f-448c-ac15- 65c9f793bc1b" }, "success": false, "message": "Request retrieving failed" } }</pre>
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