vmware®

Disti API Phase 2 Specifications
Version 12.0

Project Name: Distribution API Phase 2
Interface Name: Disti API
Document Version: 12.0
Date: 11.08.2020
Author: Upendra Marathe

Table of Contents

DOCUMENT REVISION HISTORY

Date	Authors	Contributors / Review	Team	Description	Revision Num
10/01/13	Shankar Perala		FMW	Initial Draft	v1.0
10/7/2013	Upendra Marathe		VMw are IT	Updates made to output	V2.0
10/14/13	Udana Ratnabharathi		FMW	Reviewed the spec and modified the doc with standards.	V3.0
05/16/14	Udana Ratnabharathi		FMW	Reviewed and update SOAP UI Setup.	V8.0
06/09/14	Vinayak Varma		FMW	Added OAUTH API and updated SOAP UI Setup.	V9.0
06/24/14	Vinayak Varma		FMW	Updated instructions for unecrytped API Calls.	V10.0
10/16/2014	Vinayak Varma		FMW	CR-00111052 – Addition of preferredDistributor to OranDetails API	V11.0
05/09/2016	Udana Ratnabharathi		FMW	Added changes from Orion project. Also added links for documentation on MuleSoft API portal with a step- by- step get started guide.	V12.0

APPROVALS

Signatures on this page indicate agreement with document content. Changes requested after sign-off will undergo a process for assessment, authorization, and communication.

Name	Role	Signoff Date	Remarks

REVIEWERS
Signatures on this page indicate agreement with document content after review.

Name	Role	Signoff Date	Remarks

1. PURPOSE

This document should be referred along with the functional requirement specifications documents to get a clear understanding of the requirements and associated design

2. SCOPE

The scope of this document is to provide API specifications for the implementation ORAN search functionality.

3. ASSUMPTIONS

Assumption #	Assumption Description	Status

4. OPEN ISSUES

S.No.	Description	Assigned To	Comments	Status (verified, open)

5. LIST OF API METHODS

a. PARTNER ORAN DETAILS

This API provides features to Distributors to request ORAN information from portal. The distributors would send the input request and based on the input API should be able to send the output information.

GetPartnerOranDetails
Method Name	*GetPartnerOranDetailsRequest*
Parameters	***oranNumber, distiPRMId***
Return Type	*GetPartnerOranDetailsResponse*
Faults	**BackEndFault, InvalidDataFault**

Input Body

Field	Element	XSD DataType	Required	Validation
ORAN Number	*oranNumber*	string	Yes	
PRMID	*distiPRMId*	string	Yes	**This should be Distributor PRM ID**

Input body schema
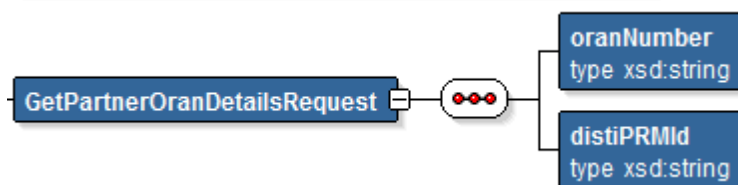
Output

API Field Name	Required Y/N	XSD DataType	Max Length	Comment
ORAN Number	Yes	string	20	**ORAN Information will be Returned for Approved Registrations only**
resellerName	Yes	string	255	**Name of Reseller in VMware system**
resellerPRMID	Yes	string	20 40	**This is Unique number assigned to every Partner/Reseller.**

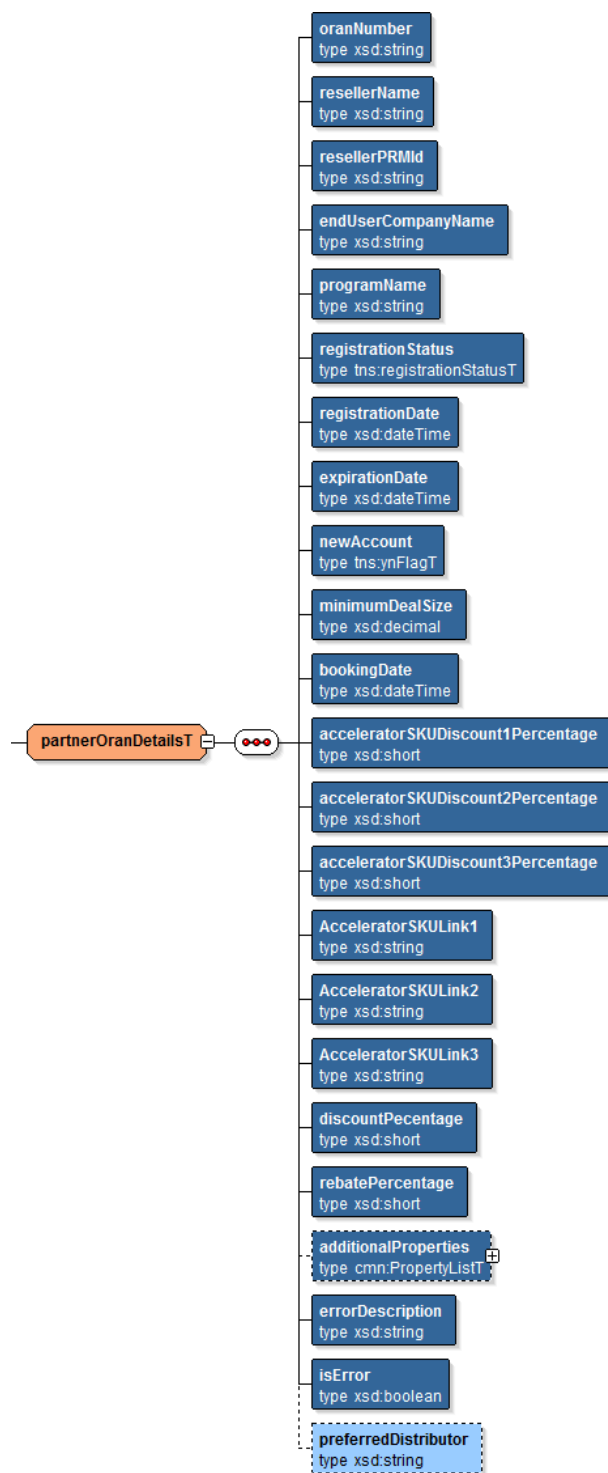| EndUser Company Name	Yes	string	255 100	**Customer name in Registration**
Program Name	Yes	string	255	**Advantage +, ELA, GOVT**
Registration status	Yes	string/enumeration	40	**ORAN registration status** **•APPROVED** **•CLAIM SUBMITTED** **•CLAIM PENDING REVIEW** **•CLOSED** **•EXPIRED** **•INACTIVE**
Registration Date	Yes	dateTime		**When Registration was submitted for Approval**
Expiration Date	Yes	dateTime		**When Registration will Expire or has expired**
New Account	Yes	string/Enumeration	2 1	**If 'Approved' then return 'Y' else 'N'**
Minimum Deal size	Yes	decimal		**Amount**
Booking date	Yes	dateTime		**When Registration was booked**
Accelerator SKU discount % 1	No	short		**All formulas are set Correctly to display discount if program allows this Discount**
Accelerator SKU discount % 2	No	short		**All formulas are set Correctly to display discount if program allows this Discount**
Accelerator SKU discount % 3	No	short		**All formulas are set Correctly to display discount if program allows this Discount**
Accelerator SKU link1	No	string	255	**All formulas are set Correctly to display discount if program allows this Discount Link**
Accelerator SKU link2	No	string	255	**All formulas are set Correctly to display discount if program allows this Discount Link**
Accelerator SKU link3	No	string	255	**All formulas are set Correctly to display discount if program allows this Discount Link**
Discount %	No	short	255	**All formulas are set Correctly to display discount if program allows this Discount. New API will send this Discount Field if the ORAN is Legacy ORAN**
Rebate %	No	short	255	**All formulas are set Correctly to display discount if program allows this Discount**
preferredDistributor	No	string	255	**Associated Preferred Disti**
Benefits Eligibility Date	Yes	DateTime		**Add 45 days to Submitted Date**

Approved Products	Yes	String		Comma separated products which are approved
Last Date to Submit PO	No	String		If First order is Received then we give 30 days to submit subsequent orders against this ORAN. This will be a field in Registration
(SKU / Quantity/ Discount % /Eligibility Flag) Table	No	Table (SKU – String, Quantity – Number, Discount % - Number, Eligiblity Flag – String)		This will Return multiple Rows with SKU / Quantity / Discount % / Eligibility Flag
SID D	No	Table(SID - – Date/Time, SKU -String, Discount %- Number		This will Return SID information for Subscription products.

Output Functional Description

API Field Name	Business Purpose
ORAN Number	Opportunity Registration Approved Number - a unique number which identifies a specific deal has been successfully registered. The ORAN is required for claiming any advantage+ program incentives.
resellerName	The name of the Reseller organization associated with the order.
resellerPRMID	The unique identification number provided to the reseller upon the registration (VMware Partner Central ID for a reseller)
EndUser Company Name	The end customer name pertaining to a previous transaction
Program Name	The name of the opportunity registration program used for a particular order
Registration status	Identifies the status of a submitted Opportunity
Registration Date	The date the opportunity was submitted for registration
Expiration Date	The last day of an opportunity's registration

New Account	
Minimum Deal size	**The minimum opportunity deal size amount necessary for the deal to be approved for advantage+**
Booking date	
Accelerator SKU discount % 1	**An additional advantage+ discount amount applied to a sub-set of eligible SKUs.**
Accelerator SKU discount % 2	**An additional advantage+ discount amount applied to a sub-set of eligible SKUs.**
Accelerator SKU discount % 3	**An additional advantage+ discount amount applied to a sub-set of eligible SKUs.**
Accelerator SKU link1	**The SKU which is eligible to receive an additional advantage+ discount**
Accelerator SKU link2	**The SKU which is eligible to receive an additional advantage+ discount**
Accelerator SKU link3	**The SKU which is eligible to receive an additional advantage+ discount**
Discount %	**The discount % the Distributor receives based on the programs they are involved in**
Rebate %	**The rebate % the Partner receives after purchase**
preferredDistributor	**Associated Preferred Disti**
Benefits Eligibility Date	**Add 30 days to Submitted Date**
Approved Products	**Comma separated products which are approved**
Last Date to Submit PO	**If First order is Received then we give 30 days to submit subsequent orders against this ORAN. This will be a field in Registration**

SID Details Table(SID, Status, Term Start Date,	This is SID information for Subscription products.
Term End Date, SKU, Discount %)	
SKU / Quantity /Discount %/Eligibility Flag	The Discount percent by SKU and Eligibility to use discount.

Output Schema

```
                                                        ┌──────────────────────────┐
                                                        │ oranNumber               │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ resellerName             │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ resellerPRMId            │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ endUserCompanyName       │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ programName              │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ registrationStatus       │
                                                        │ type tns:registrationStatusT │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ registrationDate         │
                                                        │ type xsd:dateTime        │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ expirationDate           │
                                                        │ type xsd:dateTime        │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ newAccount               │
                                                        │ type tns:ynFlagT         │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ minimumDealSize          │
                                                        │ type xsd:decimal         │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ bookingDate              │
                                                        │ type xsd:dateTime        │
                                                        └──────────────────────────┘
  ┌─────────────────────┐       ┌─────┐                 ┌──────────────────────────┐
  │ partnerOranDetailsT │───────│ ∞∞∞ │─────────────────│ acceleratorSKUDiscount1Percentage │
  └─────────────────────┘       └─────┘                 │ type xsd:short           │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ acceleratorSKUDiscount2Percentage │
                                                        │ type xsd:short           │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ acceleratorSKUDiscount3Percentage │
                                                        │ type xsd:short           │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ AcceleratorSKULink1      │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ AcceleratorSKULink2      │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ AcceleratorSKULink3      │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ discountPecentage        │
                                                        │ type xsd:short           │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ rebatePercentage         │
                                                        │ type xsd:short           │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ additionalProperties   ⊞ │
                                                        │ type cmn:PropertyListT   │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ errorDescription         │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ isError                  │
                                                        │ type xsd:boolean         │
                                                        └──────────────────────────┘
                                                        ┌──────────────────────────┐
                                                        │ preferredDistributor     │
                                                        │ type xsd:string          │
                                                        └──────────────────────────┘
```

Partners will be able to use this API in following Modes:

Use case-1-Use it as ORAN Search API.(UI counterpart shown below for reference)

Use Case -2 – Use it as Estimator API. (UI counterpart shown below for reference)

b. PARTNER DETAILS

Input

This API provides features to Distributors to request Partner information by consuming the webservice. The distributors would send the input request and based on the input API should be able to send the output information.

GetPartnerDetails	
Method Name	*GetPartnerDetailsRequest*
Parameters	*distiPRMId, resellerPRMId, resellerName, resellerCountry*
Return Type	*GetPartnerDetailsResponse*
Faults	**BackEndFault, InvalidDataFault**

Input Body

Field	Element	XSD DataType	Required	Validation
Distributor token	distiPRMId	string	Yes	**Exact Distributor ID Required**
Reseller ID	resellerPRMId	string	optional	**Exact Reseller ID Required**
Reseller Name	resellerName	string	optional	**Wild Card search Allowed**
Reseller Country	**resellerCountry**	**string**	**optional**	**Exact ISO Country Code required**

The input data from distributor will be only allowed in following combinations:

   i.Distributor token + 'Reseller ID'
  ii.Distributor token + Reseller Name and Country

Input body schema
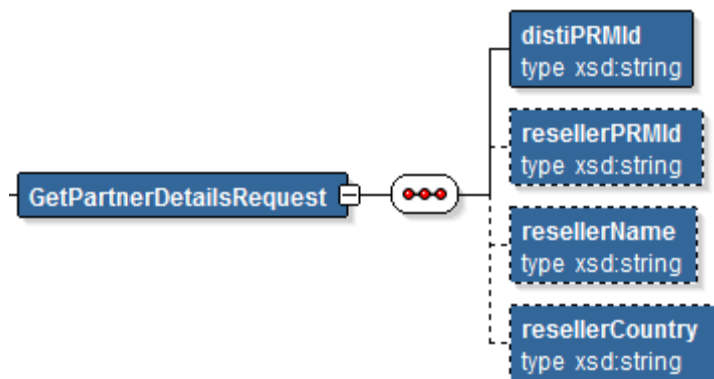
Output

API Field Name	Requir ed Y/N	XSD DataTy pe	Max Length	Comment
resellerName	Yes	string	255	
resellerPRMId	Yes	string	40	
city	N	string	100	
state	N	string	~~40~~ 255	
country	N	string	100	
zipCode	N	string	~~40~~ 50	
programType	N	string	40	**Many for One Partner**
programTier	N	string	40	**Many for One Partner**
partnerAccountStatus	N	string	20	
VCPCount	N	long	~~18~~	
VSPCount	N	long	~~18~~	
VSTPCount	N	long	~~18~~	
specialization	N	string	50	**Many for One Partner**
competencyName	N	string	50	**Many for One Partner**
domainName	N	string	~~32768~~ 20	**Many for One Partner**
IsVPPEligible	N	string	5	**Y/N**
IsEPPEligible	N	string	5	**Y/N**
Eligibility to Transact	Y	string	5	**Y/N**
Status	**N**	**string**	**50**	**Record level message**

Output Functional Description

API Field Name	Business Purpose
resellerName	The name of the Reseller organization associated with the order.
resellerPRMId	The unique identification number provided to the reseller upon the registration (VMware Partner Central ID foreach reseller)
city	Reseller Address details - City
state	Reseller Address details - State
country	Reseller Address details - Country
zipCode	Reseller Address details - Zip Code
programType	The Reseller Partner Program Type within VMware Partner Network. Example "Solution Provider Partner"
programTier	The Reseller Partner Program Tier within VMware Partner Program. Example "Enterprise"
partnerAccountStatus	The status of a VMware Partner account. Example "Active"

VCPCount	**The number of VCP (VMware Certified Professional) certified employees within the Partners organization.**
VSPCount	**The number of VSP (VMware Sales Professional) certified employees within the Partners organization.**
VSTPCount	**The number of VTSP (VMware Technical Sales Professional) certified employees within the Partners organization.**
specialization	**VMware Specializations recognize a partner's level of expertise in selling VMware virtualization solutions into a given market segment. These Specializations reward partners for the unique value they bring to customers in that market**
competencyName	**Regardless of the company size, business model or market focus, VMware Partner Solution Competencies make it easier to distinguish and deliver comprehensive virtualization and cloud computing solutions to our customers. Solution Competencies focus on developing the selling skills, solution architecture proficiency, and deployment expertise to help drive your success**
domainName	**Reseller email domain (web address that comes after the @ symbol in an email address)**
IsVPPEligible	**Identifier on whether a End Customer/Partner is eligible to avail of additional discounts under the VMware VPP (Volume Purchasing Program).**
IsEPPEligible	**Identifier on whether a End Customer/Partner is eligible to avail of additional discounts under the VMware EPP (Enterprise Purchasing Program).**
Eligibility to Transact	**This will be Y if partner is not suspended and is Reseller with Professional or Higher tier.**
Status	**Record level message**

The changes from Orion project are:
- API should return 'Eligibility to Transact' as new field
- API should blank program type and Program tier as output values when partner is in Suspension Level-1, Level-2 or Level-3.

Output schema
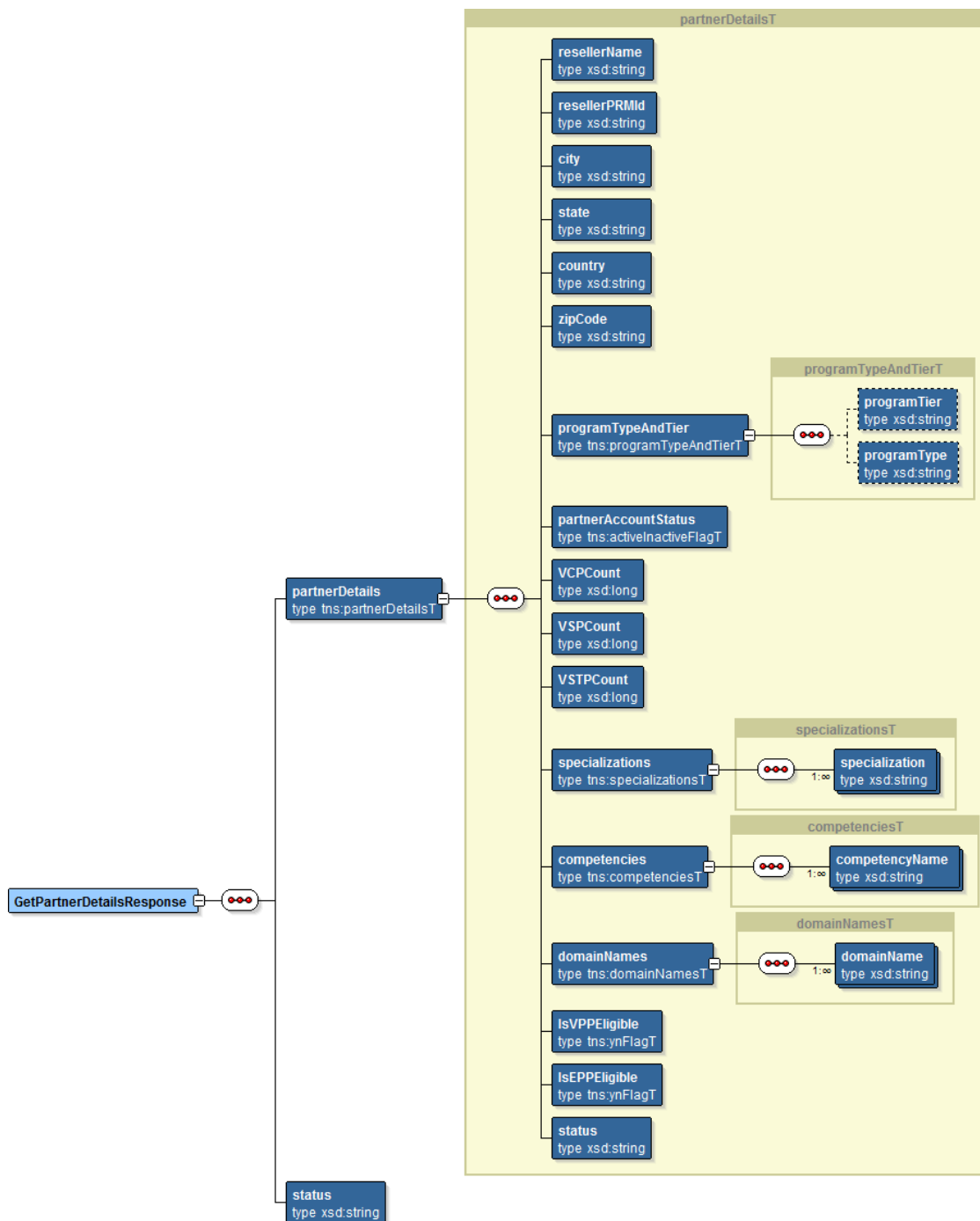
c. CUSTOMER API

This API provides features to Distributors to request Customer information by consuming the webservice. The distributors would send the input request and based on the input API should be able to send the output information.

GetCustomerDetails

Method Name	*GetCustomerDetailsRequest*
Parameters	*distiPRMId, resellerPRMId, EANumber, domainName, SUPUEmailAddress, VPPNumber, customerName, customerCountry*
Return Type	*GetCustomerDetailsResponse*
Faults	**BackEndFault, InvalidDataFault**

Input Body

Field	Element	XSD DataType	Required(Y /N)	Validation
Distributor token	distiPRMId	string	Y	**Exact Distributor token Required**
Reseller token	resellerPRMId	string	Y	**Exact Reseller token Required**
EA Number	EANumber	string	N	**Exact EA Number token Required**
Domain Name	domainName	string	N	**Exact Domain Name Required**
SU/PU Email address	SUPUEmailAddress	string	N	**Exact SU/UP Email Address Required**
VPP Number	VPPNumber	string	N	**Exact VPP Number Required**
Customer Name	customerName	string	N	**Wild Card search allowed only when Wild card character is in the Search String(At End only)- Otherwise it is Exact Search**
Customer Country	**customerCountry**	**string**	**N**	**Exact Customer Country Required**

- Valid Input combination –
  o   Distributor PRM ID + Reseller PRM ID + 'EA Number'
  o   Distributor PRM ID + Reseller PRM ID + 'Domain Name'
  o   Distributor PRM ID + Reseller PRM ID + 'SU/PU Email address'
  o   Distributor PRM ID + Reseller PRM ID + Customer Name + Country
  o   Distributor PRM ID + Reseller PRM ID + 'VPP Number'
  o   Distributor PRM ID + 'EA Number'
  o   Distributor PRM ID + 'Domain Name'
  o   Distributor PRM ID + 'SU/PU Email address'

- o   Distributor PRM ID + Customer Name + Country
- o   Distributor PRM ID + 'VPP Number'

Input Body Schema
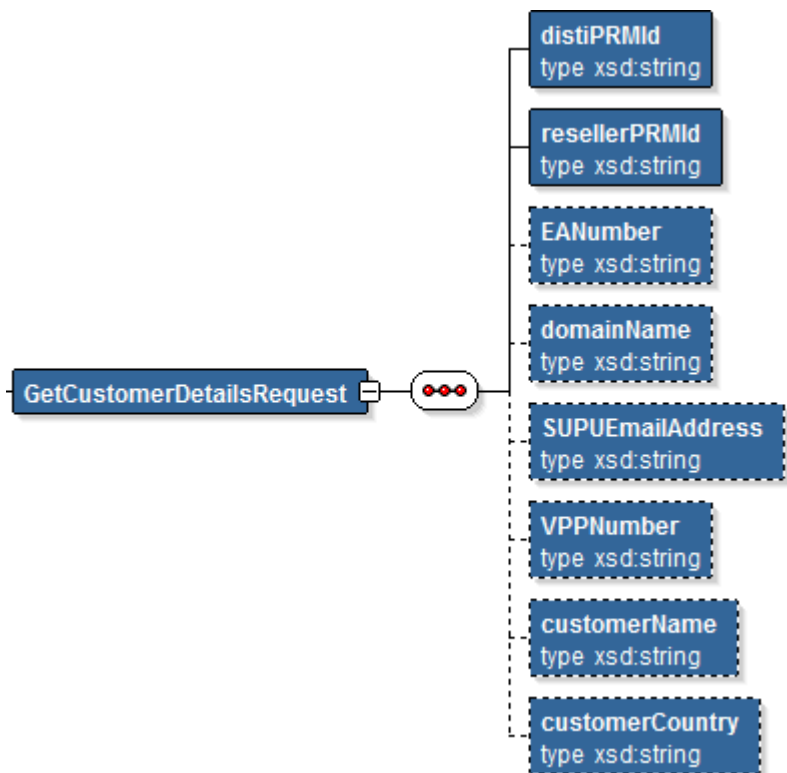
Output

API Field Name	Required Y/N	XSD DataType	Max Length	Comment
customerName	Y	string	360	
EAName	Y	string	50	
EANumber	Y	string	360	
address	N	string	240x4	
city	N	string	60	
state	N	string	60	
postalCode	N	string	60	
country	N	string	60	
VPPNumber	N	string	150	
VPPParentName	N	string	360	

VPPAffliatesName	N	string	360	
currentPoints	N	decimal	150	
currentLevel	N	string	150	
pointsNeededForNextLevel	N	decimal	150	
rollOfDate	N	dateTime	10	
pointsExpiring	N	decimal	150	
resultingLevel	N	string	150	
Status	**N**	**string**	**1000**	**Record level message**

Output Functional Description

API Field Name	Business Purpose
customerName	The customer name which is registered under an EA NUMBER for the previous transaction
EAName	An unique VMware identification number assigned to each customer to centralize and maintain their licenses under single account
EANumber	The end customer name pertaining to a previous transaction
address	The end customer address associated to the CUSTOMER NAME
city	The end customer city which is registered under an EA number
state	The end customer state which is registered under an EA number
postalCode	The end customer postal code which is registered under an EA number
country	The end customer country
VPPNumber	A unique membership number given to an end customer on enrolling to VMware Volume Purchasing Program (VPP)
VPPParentName	The end customer company name under which the VPP number is enrolled
VPPAffliatesName	An end customer affiliate to the VPP parent name that is authorized to avail of VPP membership
currentPoints	The current VPP Point Total for a VPP membership
currentLevel	The current VPP level of the customer. (L1,L2,L3). The level reflected on the customer's Points Portal
pointsNeededForNextLevel	The number points require for a VPP customer to move to next VPP level (to get more discount)
rollOfDate	The most recent date when the points are expiring
pointsExpiring	The number of points which are expiring on the roll off date
resultingLevel	The level which will be applicable on the VPP account after the points expire on roll off date

Output schema
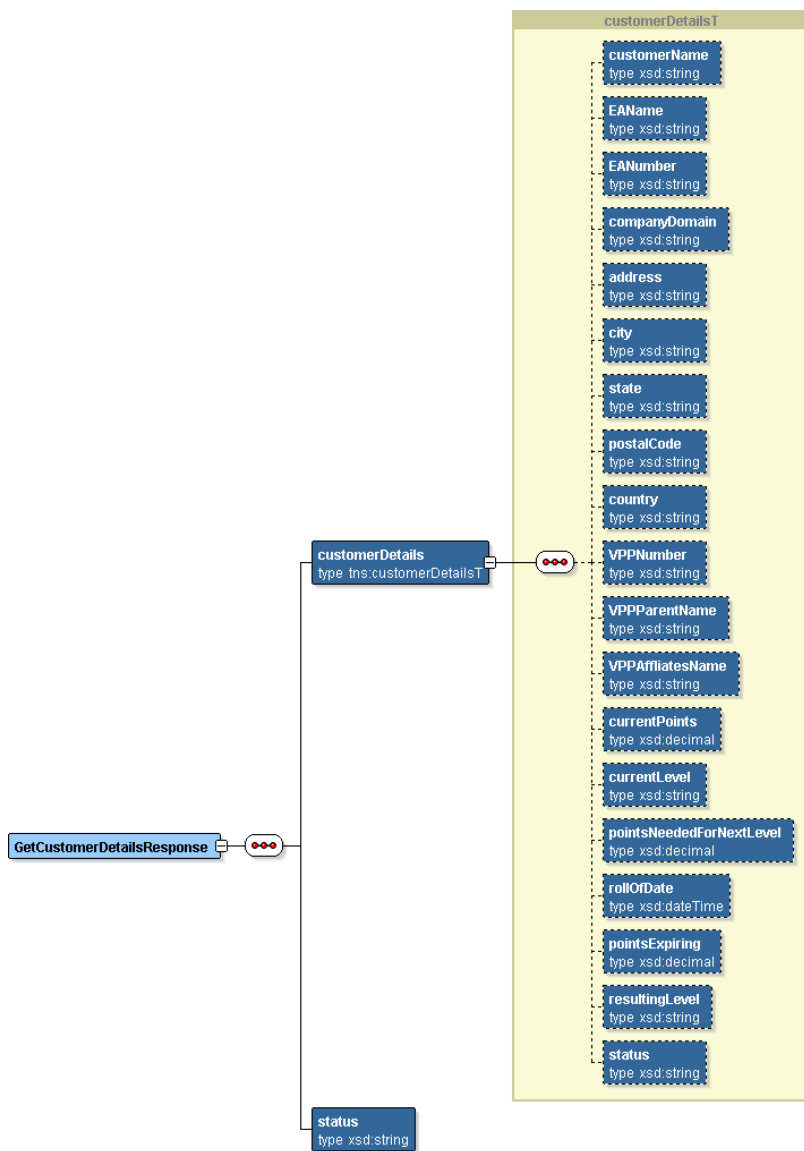
d. SERIAL NUMBER DETAILS

This API provides features to Distributors to request Serial Number information by consuming the webservice. The distributors would send the input request and based on the input API should be able to send the output information.

GetSerialNumberDetails	
Method Name	*GetSerialNumberDetailsRequest*
Parameters	*distiPRMId, resellerPRMId, licenseKey, upgradeProductSKU*
Return Type	*GetSerialNumberDetailsResponse*
Faults	**BackEndFault, InvalidDataFault**

Input Body

Field	Element	XSD DataType	Required(Y/N)	Validation
Distributor PRM ID	distiPRMId	string	Y	**Exact Distributor PRMID Required**
Reseller PRM ID	resellerPRMId	string	Y	**Exact Reseller PRMID Required**
License Key	licenseKey	string	N	**Exact License key Required.Can be multiple and Comma Seperated.**
Upgrade Product SKU	**upgradeProductSKU**	**string**	**N**	**Exact UpgradeProductSKU Required**

- Valid Input combination –
  - Distributor and Reseller token + 'License key'
  - Distributor and Reseller token + 'License Key' and 'Upgrade Product SKU'

Input Body Schema
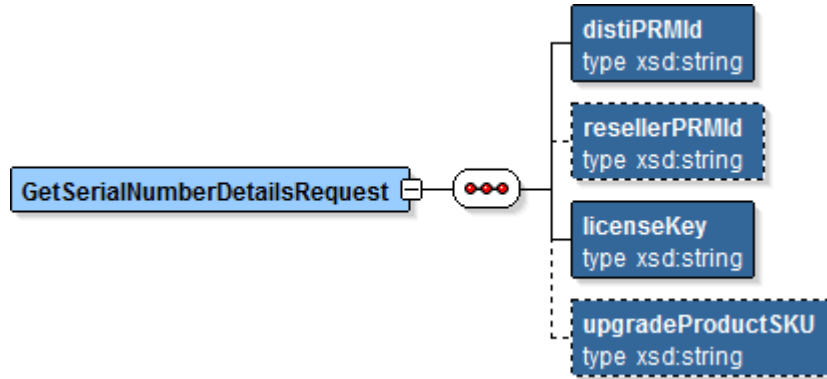
Output

Level	Field Name (RTR)	Data Type	Max Length	Comment
Level 1	EA NUMBER	Text	360	
Level 1	EA NAME	Text	360	
Level 1	LICENSE KEY	Text	360	
Level 1	LICENSE KEY DESCRIPTION	Text	360	
Level 1	KEY QUANTITY	Text	360	
Level 1	IS Cloud Key	Text	360	
Level 1	Is Locked	Text	360	
Level 1	Is Restricted Key?	Text	360	
Level 1	Status Message	Text	360	
Level 2	ORIGINAL KEY	Text	360	
Level 2	PRODUCT	Text	360	
Level 2	PRODUCT NAME	Text	360	
Level 2	ENTITLEMENT Quantity	Text	360	
Level 2	ENTITLEMENT CONTRIBUTION Quantity	Text	360	
Level 2	ORGINAL KEY TYPE	Text	360	
Level 2	ORGINAL KEY STATUS	Text	360	
Level 2	ENTITLEMENT STATUS	Text	360	
Level 2	ORDER NUMBER	Text	360	
Level 2	BOOKED DATE	Text	360	
Level 2	Part of Bundle ?	Text	360	
Level 2	BUNDLE PARENT SKU	Text	360	
Level 2	Eligible for Standalone Upgrade?	Text	360	
Level 2	Is Upgraded	Text	2	
Level 2	Status Message	Text	360	

Level 3A	CONTRACT NUMBER	Text	360	
Level 3A	CONTRACT STATUS	Text	360	
Level 3A	COVERAGE END DATE	Text	360	
Level 3A	COVERED QTY	Text	360	
Level 3A	**SUB LINE STATUS**	**Text**	**360**	

Level	Field Name (RTR)	Data Type	Max Length	Comment
Level 3A	SUPPORT SKU	Text	360	
Level 3A	SUPPORT LEVEL	Text	360	
Level 3A	Status Message	Text	360	
Level 3 B	Active License Key	Text	360	
Level 3 B	PRODUCT SKU	Text	360	
Level 3 B	PRODUCT NAME	Text	360	
Level 3 B	ORDER NUMBER	Text	360	
Level 3 B	BOOKED DATE	Text	360	
Level 3 B	ORIGINAL KEY	Text	360	
Level 3 B	ORGINAL_KEY_TYPE	Text	360	
Level 3 B	IB STATUS FULFILLMENT	Text	360	
Level 3 B	ORGINAL KEY QTY	Text	360	
Level 3 B	ENTITLMENT QTY	Text	360	
Level 3 B	Part of Bundle ?	Text	360	
Level 3 B	BUNDLE PARENT SKU	Text	360	
Level 3 B	Eligible for Standalone Upgrade?	Text	360	
Level 3 B	CONTRACT NUMBER	Text	360	
Level 3 B	CONTRACT STATUS	Text	360	
Level 3 B	COVERAGE END DATE	Text	360	
Level 3 B	COVERED QTY	Text	360	
Level 3 B	SUB LINE STATUS	Text	360	
Level 3 B	SUPPORT SKU	Text	360	
Level 3 B	SUPPORT LEVEL	Text	360	
Level 3 B	Derived from / Fulfilled?	Text	360	
Level 3 B	Is Upgraded	Text	360	
Level 3 B	**Status Message**	**Text**	**360**	

Output Functional Description

Level	Field Name (RTR)	Business Purpose
Level 1	EA NUMBER	Entitlement Number of an Tracking Key
Level 1	EA NAME	Entitlement Name of an Tracking Key
Level 1	LICENSE KEY	Tracking Key
Level 1	LICENSE KEY DESCRIPTION	Tracking Key description
Level 1	KEY QUANTITY	Tracking Key Quantity
Level 1	IS Cloud Key	If Tracking Key is Original Key then its not Cloud Key or else its an Cloud Key
Level 1	Is Locked	Return'Y' if the Key has Admin Lock.
Level 1	**Is Restricted Key?**	Restricted Key is created in case of restricted downgrade done by customer from CIS product. (E.g. VS4 restricted downgrade done from CIS – Cloud Infrastructure suiteproduct)

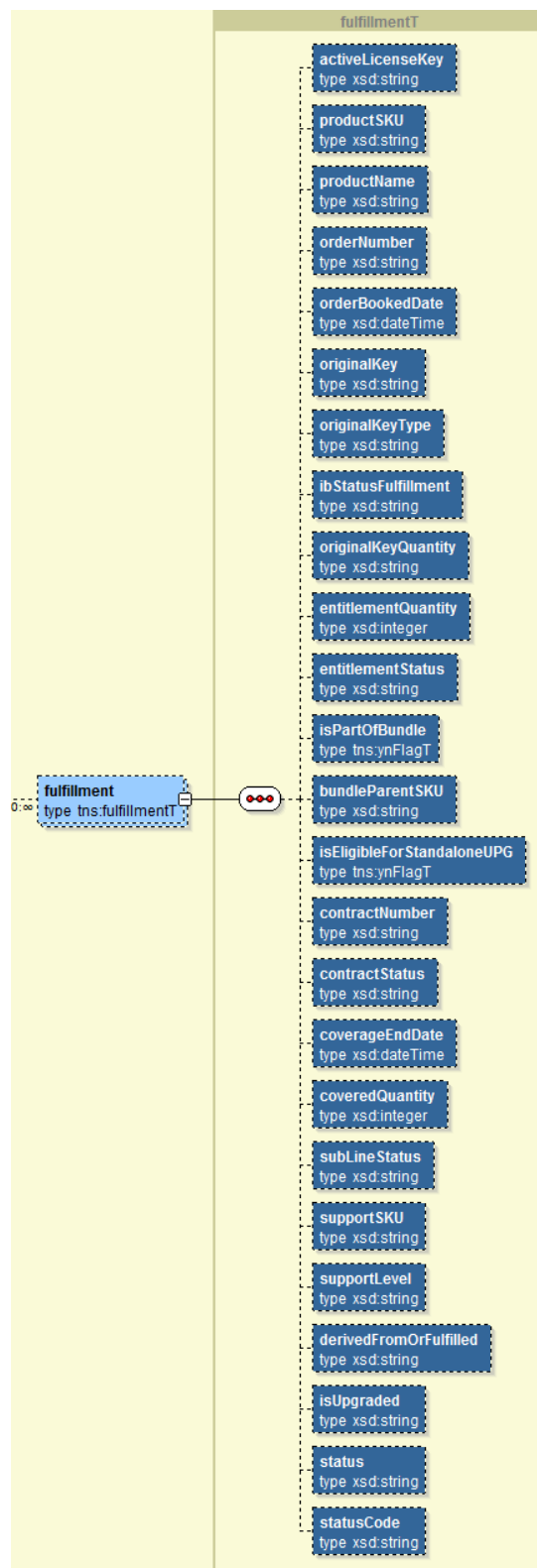| Level	Field Name (RTR)	Business Purpose
Level 1	Status Message	Status
Level 2	ORIGINAL KEY	All IB Keys based on Entitlements (Active /Inactive)
Level 2	PRODUCT	Product related to IB Key
Level 2	PRODUCT NAME	Product Name
Level 2	ENTITLEMENT Quantity	Entitlement Quantity on the Tracking Key
Level 2	ENTITLEMENT CONTRIBUTION Quantity	Entitlement Contribution Quantity of an Tracking Key
Level 2	ORGINAL KEY TYPE	Original Key Type
Level 2	ORGINAL KEY STATUS	Original Key Status (Active/Inactive)
Level 2	ENTITLEMENT STATUS	Entitlement status (Active / Inactive) of an Tracking Key
Level 2	ORDER NUMBER	Original Order to which this IB/ Entitlement is related to.
Level 2	BOOKED DATE	Order Booked date
Level 2	Part of Bundle ?	Returns 'Y' if an Tracking Keys IB are Part of an Bundle
Level 2	BUNDLE PARENT SKU	Returns the Parent Bundle SKU if an Tracking Key IB`s are Part of an Bundle
Level 2	Eligible for Standalone Upgrade?	
Level 2	Is Upgraded	Returns 'Y' If Tracking Key IB are Upgraded
Level 2	Status Message	Status
Level 3A	CONTRACT NUMBER	Contract Number associated with Original Key
Level 3A	CONTRACT STATUS	Contract Status
Level 3A	COVERAGE END DATE	Contract Coverage End Ddate
Level 3A	COVERED QTY	Contract Quantity
Level 3A	SUB LINE STATUS	Contract Sub Line Status
Level 3A	SUPPORT SKU	Contract Support Sku

Level 3A	SUPPORT LEVEL	**This is immediate product version that IB/LE was Downgrade_to or Downgraded_from.**
Level 3A	Status Message	**Contract Number associated with Original Key**
Level 3 B	Active License Key	**Original Key Fulfillment/Downgrade Key. Will pass if the fulfilled/Downgrade key are Active**
Level 3 B	PRODUCT SKU	**Product Sku of an Active License Key**
Level 3 B	PRODUCT NAME	**Product Sku Name of an Active License Key**
Level 3 B	ORDER NUMBER	**Original Order to which this IB/ Entitlement is related to.**
Level 3 B	BOOKED DATE	**Order Booked date**
Level 3 B	ORIGINAL KEY	**All IB Keys based on Entitlements (Active /Inactive)**
Level 3 B	ORGINAL_KEY_TYPE	**Original Key Type od an Fulfillment/Downgrade Key**
Level 3 B	IB STATUS FULFILLMENT	**Instance Base Status**
Level 3 B	ORGINAL KEY QTY	**No special Validation rules**
Level 3 B	ENTITLMENT QTY	**This is the LE Quantity on the IB Record.**
Level 3 B	**Part of Bundle?**	**Original Key Quantity od an**

Level	Field Name (RTR)	Business Purpose
		Fulfillment/Downgrade Key
Level 3 B	BUNDLE PARENT SKU	**Returns 'Y' if an Tracking Keys IB are Part of an Bundle**
Level 3 B	Eligible for Standalone Upgrade?	
Level 3 B	CONTRACT NUMBER	**Contract Number associated with Active Key**
Level 3 B	CONTRACT STATUS	**Contract Status**
Level 3 B	COVERAGE END DATE	**Contract Coverage End Ddate**
Level 3 B	COVERED QTY	**Contract Quantity**
Level 3 B	SUB LINE STATUS	**Contract Sub Line Status**
Level 3 B	SUPPORT SKU	**Contract Support Sku**
Level 3 B	SUPPORT LEVEL	**This is immediate product version that IB/LE was Downgrade_to or Downgraded_from.**
Level 3 B	Derived from / Fulfilled?	**Specify if these records are Derived From Key information or Fullfillment Related**
Level 3 B	Is Upgraded	**Returns 'Y' If Active Key IB are Upgraded**
Level 3 B	**Status Message**	**Status**

Output Schema

contractT

contract
type tns:contractT

0:∞

contractNumber
type xsd:string

contractStatus
type xsd:string

coverageEndDate
type xsd:dateTime

coveredQuantity
type xsd:integer

subLineStatus
type xsd:string

supportSKU
type xsd:string

supportLevel
type xsd:string

status
type xsd:string

statusCode
type xsd:string

fulfillmentT

fulfillment
type tns:fulfillmentT
0:∞

activeLicenseKey
type xsd:string

productSKU
type xsd:string

productName
type xsd:string

orderNumber
type xsd:string

orderBookedDate
type xsd:dateTime

originalKey
type xsd:string

originalKeyType
type xsd:string

ibStatusFulfillment
type xsd:string

originalKeyQuantity
type xsd:string

entitlementQuantity
type xsd:integer

entitlementStatus
type xsd:string

isPartOfBundle
type tns:ynFlagT

bundleParentSKU
type xsd:string

isEligibleForStandaloneUPG
type tns:ynFlagT

contractNumber
type xsd:string

contractStatus
type xsd:string

coverageEndDate
type xsd:dateTime

coveredQuantity
type xsd:integer

subLineStatus
type xsd:string

supportSKU
type xsd:string

supportLevel
type xsd:string

derivedFromOrFulfilled
type xsd:string

isUpgraded
type xsd:string

status
type xsd:string

statusCode
type xsd:string

e. OAUTH API

This REST API provides features to Distributors to request OAuth Token information by consuming the webservice. The distributors would send the input request and based on the input API should be able to send the output information. This OAuth is to be used when invoking other DISTI APIs.

method - POST
header - Authorization: Basic {clientid:secret base64 encoded}
body - grant_type=client_credentials&scope=distiAPI
content type - application/x-www-form-urlencoded

6. EXCEPTION CODES

Scenario	Name	Summary	Code	HTTP Status Code	XML Element to check for error
Invalid ORAN Number in request	BusinessFault	No deal registration found based on ORAN.	BackEnd Error	200	\<Fault>\<faultcode>BackEndError\</faultcode>\<detail>\<InvalidDataFault>\<name>BusinessFault\</name>\<summary>No deal registration found based on ORAN.\</summary>\</InvalidDataFault>\</detail>\</Fault>
Invalid Distributor PRMID in request	BusinessFault	No distributor account found based on distributor id.	BackEnd Error	200	\<Fault>\<faultcode>BackEndError\</faultcode>\<detail>\<InvalidDataFault>\<name>BusinessFault\</name>\<summary>No distributor account found based on distributor id.\</summary>\</InvalidDataFault>\</detail>\</Fault>
Invalid Distributor PRMID in request	BusinessFault	Distributor partner ID provided as input is Invalid value	ER - 1011	200	\<Fault>\<faultcode>ER - 1011\</faultcode>\<detail>\<InvalidDataFault>\<code>ER - 1011\</code>\<summary>Distributor partner ID provided as input is

					Invalid value</summary></InvalidDataFault></detail></Fault>
Invalid EA Number in request	BusinessFault	No customer account found for the EA number provided as input.	ER - 1003	200	<Fault><faultcode>ER - 1003</faultcode><detail><InvalidDataFault><code>ER - 1003</code><summary>No customer account found for the EA number provided as input.</summary></InvalidDataFault></detail></Fault>
Invalid combination of values in request	BusinessFault	The input combination entered is not Valid. Please enter valid input combination.	ER - 1008	200	<Fault><faultcode>ER - 1008</faultcode><detail><InvalidDataFault><code>ER - 1008</code><summary>The input combination entered is not Valid. Please enter valid input combination. </summary></InvalidDataFault></detail></Fault>
Invalid Distributor PRMID in request	BusinessFault	Distributor Partner ID provided is invalid or inactive.	ER - 2001	200	<Fault><faultcode>ER - 2001</faultcode><detail><InvalidDataFault><code>ER - 2001</code><summary>Distributor Partner ID provided is invalid or inactive.</summary></InvalidDataFault></detail></Fault>
Invalid namespace	Application Fault	Namespace prefix 'ser1' used but not declared.		500	<RestFaultElement><summary>Namespace prefix 'ser1' used but not declared. </summary></RestFaultElement>
Invalid XML structure	Application Fault	>' Missing from end tag.		500	<RestFaultElement><summary>>' Missing from end tag. </summary></RestFaultEl

					ement>

Invalid ClientID or Secret while generating Bearer token		ClientID or Client_secret that are sent in request are invalid or not for current environment that request is invoked to!.		403	{
					    "error": "invalid_client",
					    "description": "wrong client_id or client_secret"
					}

Invalid Authorization header		Invalid Authorization while generating bearer token		403	{
					    "error": "Invalid Authorization header or missing credentials."
					}

Missing Authorization header		Invalid Authorization while making the API call		403	{
					    "error": "Invalid Authorization header or bearer value."
					}

7. POSTMAN COLLECTION

Follow the steps to add postman collection:

1. Import collection
2. Import env json
3. Edit env json with: **ClientID**, **clientSecret**, **distiPRMID**, **resellerPRMID** with the values given by PDS On-boarding team.