

PrismVAT API Documentation

Divine IT Limited

Authentication API:

The authentication api is the primary way to authenticate user. In order to authenticate user using this API the following steps should follow:

- Register an application
- Request for access token
- Login using the access token

To register an application go to Setting -> User -> Authentication API -> New Application or go to the url `host/auth/application/add` . There will be three field : Appname,Client ID and Client Secret. Client ID and client secret will be auto generated against the appname.

After registering the app, post the app info (Appname,Client ID, Client Secret) and Headers (user agent) to `{ Base-URL }/auth/accesstoken/` to get the access token. Before post the info make sure to enable (if not) the authentication configuration. To enable the configuration go to Setting -> Configuration and select the User Security from left panel. You will find the **Authentication API** field under the **Authentication** Group. App info will have to post in this form:

```
{
  "appname": "Application Name",
  "client_id": "Client ID",
  "client_secret": "Client Secret"
}
```

The output will be a json file containing status message and access token. For example:

```
{
  "status": "Success",
  "access_token": "5c4032f62070467a8b560a51320b11bd"
}
```

This is the last step. If you receive access token then post the user credential to `{Base-URL}/auth/accesstoken/`. Before post the info make sure to enable (if not) the authentication configuration. To enable the configuration go to Setting -> Configuration and select the User Security from left panel. You will find the Authentication API field under the Authentication Group. Credential will have to post in this form:

```
{
  "username": "username",
  "password": "user password",
  "appname": "Application Name",
  "client_id": "Client ID",
  "client_secret": "Client Secret",
  "access_token": "5c4032f62070467a8b560a51320b11bd"
}
```

If all the information is valid then json response will be something like:

```
{
  "status": "Success",
  "msg": "login successful for su",
  "user_info": "{\"id\": 1, \"username\": \"su\", \"password\": \"363eb224f6ff8d3c5163a8805222acbf939a65b3\", \"branch\": \"None\", \"branch_id\": null, \"updated\": \"2016-08-29 15:11:23\", \"updated_by\": \"1\", \"created\": \"None\", \"deleted\": \"False\", \"ip_address\": \"None\", \"start_time\": \"None\", \"only_own_data\": \"False\", \"user_type\": \"1\", \"created_by\": \"None\", \"inactive\": \"False\", \"partial_view\": \"False\", \"denied\": \"set([])\", \"salt\": \"\", \"end_time\": \"None\"}"
}
```

Once you verified, use the same session for future request.

TITLE	Add New Item
URL	{Base-URL}/item/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required: <i>Item.name</i>=[VARCHAR(255)] <i>Item.code</i>=[Integer, range(100-999)]</p> <p>Optional: <i>Item.type</i>=[default 1 for Inventory Product Item, 4 for Service Item] <i>Item.description</i>=[VARCHAR(255)]</p>
EXAMPLE REQUEST BODY	<pre>Item.name:"Item Category" Item.code:"899" Item.type:"1" Item.description:"Description"</pre>
RESPONSE TYPE	JSON
EXAMPLE SUCCESS RESPONSE	<pre>{ "status": "success", "message": "Item 'Item Category' added successfully", "id": 38 }</pre>
EXAMPLE ERROR RESPONSE	<pre>{ "status": "error", "message": "Name Item Category already in use", "error_details": "'Item': {'name': u'Name Item Category already in use'}" }</pre>

TITLE	Add New Product
URL	{Base-URL}/product/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>Product.name=[VARCHAR(255)]</i></p> <p><i>Product.sub_category_id=[Integer]</i></p> <p><i>Product.step_size=[Decimal]</i></p> <p><i>Product.purchase_price=[Decimal]</i></p> <p><i>Product.sale_price=[Decimal]</i></p> <p><i>Product.unit_of_measurement_id=[Integer]</i></p> <p>Required Fixed:</p> <p><i>Product.product_serial_disable=1</i></p> <p>Optional:</p> <p><i>Product.availability_in_po=[Boolean, default False]</i></p> <p><i>Product.availability_in_so=[Boolean, default False]</i></p> <p><i>Product.raw=[Boolean, default False]</i></p> <p><i>Product.finished=[Boolean, default False]</i></p> <p><i>Product.assembled=[Boolean, default False]</i></p> <p><i>Product.tax_exempt=[Boolean, default False]</i></p> <p><i>Product.tax_1_calc_method=[Integer, default 0 for PercentOfTotalCost]</i></p> <p><i>Product.tax_1=[Decimal, default 0]</i></p> <p><i>Product.tax_2=[Decimal, default 0]</i></p> <p><i>Product.tax_3=[Decimal, default 0]</i></p> <p><i>Product.tax_4=[Decimal, default 0]</i></p> <p><i>Product.tax_5=[Decimal, default 0]</i></p> <p><i>Product.tax_6=[Decimal, default 0]</i></p> <p><i>Product.delivery_system=[Default 2 for Average, 1 for FIFO]</i></p> <p><i>Product.hs_code=[VARCHAR(500)]</i></p> <p><i>Product.manufacturer_id=[Integer]</i></p> <p><i>Product.model_id=[Integer]</i></p> <p><i>Product.description=[VARCHAR(255)]</i></p>
EXAMPLE REQUEST BODY	<p><i>Product.name:"New product"</i></p> <p><i>Product.sub_category_id:"3"</i></p> <p><i>Product.step_size:"1"</i></p> <p><i>Product.purchase_price:"80"</i></p> <p><i>Product.sale_price:"100"</i></p> <p><i>Product.unit_of_measurement_id:"1"</i></p> <p><i>Product.assembled:"True"</i></p> <p><i>Product.finished:"True"</i></p> <p><i>Product.tax_1_calc_method:"0"</i></p> <p><i>Product.tax_1:"15"</i></p> <p><i>Product.hs_code:"1002955"</i></p> <p><i>Product.description:"API Test"</i></p>
RESPONSE TYPE	JSON
EXAMPLE SUCCESS RESPONSE	<pre>{ "status": "success",</pre>

**EXAMPLE ERROR
RESPONSE**

```
    "message": "Product added successfully",  
    "id": 286  
  }  
  {  
    "status": "error",  
    "message": "Missing value",  
    "error_details": "{ 'Product': { 'step_size':  
Invalid(u'Missing value',,)} }"  
  }  
}
```

TITLE	Add New Customer
URL	{Base-URL}/customer/customer/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>Customer.full_name=[VARCHAR(255)]</i> <i>Customer.type=customer</i></p> <p>Optional:</p> <p><i>Customer.address_list-0.address.line1= Billing Address, VARCHAR(255)]</i> <i>Customer.address_list-0.type=1[required if Billing Address is given]</i> <i>Customer.address_list-1.address.line1=[Shipping Address, VARCHAR(255)]</i> <i>Customer.address_list-1.type=2[required if Shipping Address is given]</i> <i>Customer.email=[VARCHAR(100)]</i> <i>Customer.mobile =[VARCHAR(30)]</i> <i>Customer.gstin=[VARCHAR(250)]</i> <i>Customer.print_as =[VARCHAR(255)]</i></p>
EXAMPLE REQUEST BODY	<pre>Customer.full_name:"New Customer" Customer.print_as:"New Customer" Customer.type:"customer" Customer.address_list-0.address.line1:"Dhaka" Customer.address_list-0.type:"1" Customer.address_list-1.address.line1:"Ctg" Customer.address_list-1.type:"2" Customer.email:"customer@divineit.net" Customer.mobile:"01111111111" Customer.gstin:"123456789"</pre>
RESPONSE TYPE	JSON
EXAMPLE SUCCESS RESPONSE	<pre>{ "status": "success", "message": "Customer 'New Customer' added successfully", "id": 1391 }</pre>
EXAMPLE ERROR RESPONSE	<pre>{ "status": "error", "message": "Missing value", "error_details": "'Customer': {u'address_list': Invalid(u'Errors:\\n\\ntype: Missing value',)}" }</pre>

TITLE	Add New Vendor
URL	{Base-URL}/vendor/vendor/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>Vendor.full_name</i>=[VARCHAR(255)]</p> <p><i>Vendor.type</i>=vendor</p> <p>Optional:</p> <p><i>Vendor.print_as</i>=[VARCHAR(255)]</p> <p><i>Vendor.address_list-0.address.line1</i>=[Billing Address, VARCHAR(255)]</p> <p><i>Vendor.address_list-0.type</i>=[1]</p> <p><i>Vendor.address_list-1.address.line1</i>=[Shipping Address, VARCHAR(255)]</p> <p><i>Vendor.address_list-1.type</i>=[2]</p> <p><i>Vendor.email</i>=[VARCHAR(100)]</p> <p><i>Vendor.mobile</i>=[VARCHAR(30)]</p> <p><i>Vendor.gstin</i>=[VARCHAR(250)]</p>
EXAMPLE REQUEST BODY	<pre>Vendor.full_name:"New Vendor" Vendor.print_as:"Vendor" Vendor.type:"vendor" Vendor.address_list-0.address.line1:"Dhaka, BD" Vendor.address_list-0.type:"1" Vendor.mobile:"0111111111" Vendor.email:"vendor@prismvat.net" Vendor.gstin:"9876543210"</pre>
RESPONSE TYPE	JSON
EXAMPLE SUCCESS RESPONSE	<pre>{ "status": "success", "message": "Vendor 'New Vendor' added successfully", "id": 1397 }</pre>
EXAMPLE ERROR RESPONSE	<pre>{ "status": "error", "message": "Missing value", "error_details": "{ 'Vendor': { 'full_name': Invalid(u'Missing value',,)} }" }</pre>

TITLE	Stock In
URL	{Base-URL}/delivery/in/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>Delivery.inventory_id</i>=[Integer] <i>Delivery.voucher_date</i>=[YYYY-MM-DD] <i>Delivery.products-X.product_id</i>=[Integer] <i>Delivery.products-X.quantity</i>=[Decimal] <i>Delivery.products-X.unit_cost</i>=[Decimal] <i>Delivery.products-X.total</i>=[Decimal] <i>Delivery.amount</i>=[Decimal]</p> <p>Required Fixed:</p> <p><i>Delivery.contra_account_id</i>=1[default] <i>Delivery.delivery_outline_id</i>=6[default]</p> <p>Optional:</p> <p><i>Delivery.description</i>=[VARCHAR(255)] <i>Delivery.party_id</i>=[Integer(11)] <i>Delivery.products-0.description</i>=[VARCHAR(255)]</p>
EXAMPLE REQUEST BODY	<pre>Delivery.inventory_id:"1" Delivery.voucher_date:"2019-08-03" Delivery.products-0.product_id:"148" Delivery.products-0.quantity:"2" Delivery.products-0.unit_cost:"10" Delivery.products-0.total:"20" Delivery.products-1.product_id:"138" Delivery.products-1.quantity:"3" Delivery.products-1.unit_cost:"20" Delivery.products-1.total:"60" Delivery.amount:"80" Delivery.contra_account_id:"1" Delivery.delivery_outline_id:"6"</pre>
RESPONSE TYPE	JSON
SUCCESS RESPONSE	<pre>{ "status": "success", "message": "Delivery Voucher PAQ-1017 has been successfully added.", "id": 3869 }</pre>
EXAMPLE ERROR RESPONSE	<pre>{ "status": "error", "message": "Product Missing!", "error_details": "'Delivery': {u'products': Invalid(u'Errors:\nProduct Missing!',,)}" }</pre>

TITLE	Declare a New Input-Output Coefficient
URL	{Base-URL}/product/bom/add/?api&product_id={product_id}
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>ProductBoms.product_id=[Integer(11)]</i> <i>ProductBoms.entry_date =[YYYY-MM-DD]</i> <i>ProductBoms.raw_materials_details-X.raw_product_group=[VARCHAR(255)]</i> <i>ProductBoms.raw_materials_details-X.product_id=[Integer]</i> <i>ProductBoms.raw_materials_details-X.quantity=[Decimal]</i> <i>ProductBoms.raw_materials_details-X.unit_cost=[Decimal]</i> <i>ProductBoms.raw_materials_details-X.total_price=[Decimal]</i> <i>ProductBoms.raw_materials_details-X.wastage_percent=[Decimal]</i> <i>ProductBoms.raw_materials_details-X.wastage_value=[Decimal]</i> <i>ProductBoms.raw_materials_details-X.type=0[default]</i> <i>ProductBoms.indirect_costs_details-Y.description=[VARCHAR(255)]</i> <i>ProductBoms.indirect_costs_details-Y.expense_type=[0 for Direct Cost, 1 for Indirect Cost]</i> <i>ProductBoms.indirect_costs_details-Y.total_price=[Decimal]</i> <i>ProductBoms.indirect_costs_details-Y.type=1[default]</i></p> <p>Optional:</p> <p><i>ProductBoms.name=[VARCHAR(255)]</i> <i>ProductBoms.quantity =[default 1]</i> <i>ProductBoms.printed_mrp =[Decimal]</i> <i>ProductBoms.wholesale_mrp =[Decimal]</i> <i>ProductBoms.description=[VARCHAR(255)]</i> <i>ProductBoms.raw_materials_details-X.unit_of_measurement_id=[Integer]</i></p>
EXAMPLE REQUEST BODY	<pre> ProductBoms.product_id:"45" ProductBoms.entry_date:"2019-08-03" ProductBoms.raw_materials_details-0.raw_product_group:"Body" ProductBoms.raw_materials_details-0.product_id:"148" ProductBoms.raw_materials_details-0.quantity:"2" ProductBoms.raw_materials_details-0.unit_cost:"20" ProductBoms.raw_materials_details-0.wastage_percent:"10" ProductBoms.raw_materials_details-0.wastage_value:"0.2" ProductBoms.raw_materials_details-0.total_price:"40" ProductBoms.raw_materials_details-0.type:"0" ProductBoms.indirect_costs_details-0.description:"22" ProductBoms.indirect_costs_details-0.expense_type:"1" ProductBoms.indirect_costs_details-0.total_price:"60" ProductBoms.indirect_costs_details-0.type:"1" ProductBoms.name:"Test BOM" ProductBoms.quantity:"1" ProductBoms.printed_mrp:"120" ProductBoms.description:"Test BOM" </pre>
RESPONSE TYPE	JSON

**EXAMPLE SUCCESS
RESPONSE**

```
{  
  "status": "success",  
  "message": "BOMS Created Successfully"  
}
```

**EXAMPLE ERROR
RESPONSE**

```
{  
  "status": "error",  
  "message": "Please enter a valid date",  
  "error_details": "{ 'ProductBoms': { 'entry_date':  
Invalid(u'Please enter a valid date',)} }"  
}
```

TITLE	ADD NEW SALE ORDER
URL	{Base-URL}/sale_order/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>SaleOrder.party_name=[VARCHAR(255)]</i> <i>SaleOrder.party_contact=[VARCHAR(255)]</i> <i>SaleOrder.party_address=[VARCHAR(512)]</i> <i>SaleOrder.inventory_id=[Integer]</i> <i>SaleOrder.shipping_address=[VARCHAR(512)]</i> <i>SaleOrder.amount=[Decimal]</i> <i>SaleOrder.total=[Decimal, Same as amount]</i> <i>SaleOrder.total_tax=[Decimal]</i> <i>SaleOrder.grand_total=[Decimal]</i> <i>SaleOrder.voucher_date=[YYYY-MM-DD]</i> <i>SaleOrder.raw_products-X.product_id=[Integer(11)]</i> <i>SaleOrder.raw_products-X.quantity=[Decimal]</i> <i>SaleOrder.raw_products-X.unit_cost=[Decimal]</i> <i>SaleOrder.raw_products-X.total=[Decimal]</i></p> <p>Required Fixed:</p> <p><i>SaleOrder.payment_method=2[default]</i> <i>SaleOrder._down_payment=[Decimal, Same as Grand Total]</i> <i>SaleOrder.due_amount=0[default]</i> <i>SaleOrder.block_validate=1[default]</i></p> <p>Optional:</p> <p><i>SaleOrder.party_id=[Integer]</i> <i>SaleOrder.description=[VARCHAR(255)]</i> <i>SaleOrder.total_vds=[VARCHAR(255)]</i> <i>SaleOrder.raw_products-X.tax_2=[Decimal]</i> <i>SaleOrder.raw_products-X.tax_2_value=[Decimal]</i> <i>SaleOrder.raw_products-X.tax_1_calc_method=[Integer]</i> <i>SaleOrder.raw_products-X.tax_1=[Decimal]</i> <i>SaleOrder.raw_products-X.tax_1_value=[Decimal]</i> <i>SaleOrder.raw_products-X.total_tax=[Decimal]</i></p>
EXAMPLE REQUEST BODY	<p><i>SaleOrder.party_name:"Cash"</i> <i>SaleOrder.party_contact:"012444"</i> <i>SaleOrder.party_address:"Uttara, Dhaka"</i> <i>SaleOrder.inventory_id:"6"</i> <i>SaleOrder.shipping_address:"Mirpur, Dhaka"</i> <i>SaleOrder.amount:"100"</i> <i>SaleOrder.total:"100"</i> <i>SaleOrder.total_tax:"15"</i> <i>SaleOrder.grand_total:"115"</i> <i>SaleOrder.voucher_date:"2019-08-03"</i> <i>SaleOrder.raw_products-0.product_id:"45"</i> <i>SaleOrder.raw_products-0.quantity:"2"</i> <i>SaleOrder.raw_products-0.unit_cost:"50"</i> <i>SaleOrder.raw_products-0.total:"100"</i></p>

RESPONSE TYPE	<i>SaleOrder.raw_products-0.tax_1_calc_method:"0"</i> <i>SaleOrder.raw_products-0.tax_1:"15"</i> <i>SaleOrder.raw_products-0.tax_1_value:"15"</i> <i>SaleOrder.raw_products-0.total_tax:"15"</i>
EXAMPLE SUCCESS RESPONSE	JSON { "status": "success", "message": "Sale Order/Invoice SO-0953 added", "id": 3871 }
EXAMPLE ERROR RESPONSE	{ "status": "error", "message": "Missing value", "error_details": "{ 'SaleOrder': { 'amount': Invalid(u'Missing value',)} }" }

TITLE	Add New Purchase Order
URL	{Base-URL}/purchase_order/add/?api
HEADER	Authorization: Bearer <Access-Token>
METHOD	POST
REQUEST FORMAT	<p>Required:</p> <p><i>PurchaseOrder.party_id=[Integer]</i> <i>PurchaseOrder.party_name=[VARCHAR(255)]</i> <i>PurchaseOrder.party_contact=[VARCHAR(255)]</i> <i>PurchaseOrder.party_address=[VARCHAR(255)]</i> <i>PurchaseOrder.inventory_id=[Integer]</i> <i>PurchaseOrder.amount=[Decimal]</i> <i>PurchaseOrder.sub_total=[Decimal, Same as amount]</i> <i>PurchaseOrder.total_tax=[Decimal]</i> <i>PurchaseOrder.grand_total=[Decimal]</i> <i>PurchaseOrder.voucher_date =[YYYY-MM-DD]</i> <i>PurchaseOrder.raw_products-X.product_id=[Integer]</i> <i>PurchaseOrder.raw_products-X.quantity=[Decimal]</i> <i>PurchaseOrder.raw_products-X.unit_cost=[Decimal]</i> <i>PurchaseOrder.raw_products-X.total=[Decimal]</i></p> <p>Required Fixed:</p> <p><i>PurchaseOrder._down_payment=[Decimal, Same as amount]</i> <i>PurchaseOrder.due_amount=0[default]</i></p> <p>Optional:</p> <p><i>PurchaseOrder.custom_filed_9 =[Challan No, VARCHAR(255)]</i> <i>PurchaseOrder.description=[VARCHAR(255)]</i> <i>PurchaseOrder.payment_date =[YYYY-MM-DD]</i> <i>PurchaseOrder.expense_sector_id= [Integer]</i> <i>PurchaseOrder.total_vds=[VARCHAR(255)]</i> <i>PurchaseOrder.total_rebate=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_5=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_5_value=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_6=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_6_value=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_2=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_2_value=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_1_calc_method=[Integer]</i> <i>PurchaseOrder.raw_products-X.tax_1=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_1_value=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_3=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_3_value=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_4=[Decimal]</i> <i>PurchaseOrder.raw_products-X.tax_4_value=[Decimal]</i> <i>PurchaseOrder.raw_products-X.total_tax=[Decimal]</i> <i>PurchaseOrder.raw_products-X.rebate_percent=[Decimal]</i> <i>PurchaseOrder.raw_products-X.rebate_amount =[Decimal]</i></p>
EXAMPLE REUQUEST BODY	<pre>PurchaseOrder.party_id:"2" PurchaseOrder.party_name:"ABC"</pre>

PurchaseOrder.party_contact:"012444"
PurchaseOrder.party_address:"Uttara, Dhaka"
PurchaseOrder.inventory_id:"6"
PurchaseOrder.amount:"100"
PurchaseOrder.total:"100"
PurchaseOrder.total_tax:"15"
PurchaseOrder.grand_total:"115"
PurchaseOrder.down_payment:"115"
PurchaseOrder.due_amount:"0"
PurchaseOrder.voucher_date:"2019-08-03"
PurchaseOrder.raw_products-0.product_id:"45"
PurchaseOrder.raw_products-0.quantity:"2"
PurchaseOrder.raw_products-0.unit_cost:"50"
PurchaseOrder.raw_products-0.total:"100"
PurchaseOrder.raw_products-0.tax_1:"15"
PurchaseOrder.raw_products-0.tax_1_value:"15"
PurchaseOrder.raw_products-0.total_tax:"15"

RESPONSE TYPE

JSON

EXAMPLE SUCCESS RESPONSE

```
{  
  "status": "success",  
  "message": "Purchase Order PI-1204 added",  
  "id": 3872  
}
```

EXAMPLE ERROR RESPONSE

```
{  
  "status": "error",  
  "message": "Missing value",  
  "error_details": "{ 'PurchaseOrder': { 'voucher_date':  
Invalid(u'Missing value',,)} }"  
}
```