



# **PSdemo Developer's Guide**

*1.0 (alpha)*

**Pulse Secure, LLC**

**Dec 25, 2020**

Pulse Secure, LLC  
2700 Zanker Road, Suite 200  
San Jose, CA 95134  
<https://www.pulsesecure.net>

© 2019 by Pulse Secure, LLC. All rights reserved

# CONTENTS

|          |                                      |           |
|----------|--------------------------------------|-----------|
| <b>1</b> | <b>Introduction</b>                  | <b>3</b>  |
| <b>2</b> | <b>API for some functionality</b>    | <b>5</b>  |
| 2.1      | Pet Store APIs . . . . .             | 5         |
| <b>3</b> | <b>Example Code</b>                  | <b>13</b> |
| 3.1      | Using API for xyz use case . . . . . | 13        |
| 3.2      | Using API for mno use case . . . . . | 13        |



TBD

- *Introduction*
- *API for some functionality*
  - *Pet Store APIs*
    - \* *pet*
    - \* *store*
    - \* *user*
- *Example Code*
  - *Using API for xyz use case*
  - *Using API for mno use case*



## INTRODUCTION

TBD





## API FOR SOME FUNCTIONALITY

TBD

### 2.1 Pet Store APIs

#### 2.1.1 pet

---

##### POST /pet/{petId}/uploadImage

uploads an image

- **Description:**
- **Consumes:** ['multipart/form-data']
- **Produces:** ['application/json']

##### Parameters

| Name               | Position | Description                       | Type    |
|--------------------|----------|-----------------------------------|---------|
| petId              | path     | ID of pet to update               | integer |
| additionalMetadata | formData | Additional data to pass to server | string  |
| file               | formData | file to upload                    | file    |

##### Responses

200 - *successful operation*

---

---

##### POST /pet

Add a new pet to the store

- **Description:**
- **Consumes:** ['application/json', 'application/xml']
- **Produces:** ['application/json', 'application/xml']

##### Parameters

| Name | Position | Description                                    | Type |
|------|----------|--|------|
| body | body     | Pet object that needs to be added to the store |      |

### Responses

*405 - Invalid input*

---

### PUT /pet

Update an existing pet

- **Description:**
- **Consumes:** ['application/json', 'application/xml']
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name | Position | Description                                    | Type |
|------|----------|--|------|
| body | body     | Pet object that needs to be added to the store |      |

### Responses

*400 - Invalid ID supplied*

*404 - Pet not found*

*405 - Validation exception*

---

### GET /pet/findByStatus

Finds Pets by status

- **Description:** Multiple status values can be provided with comma separated strings
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name   | Position | Description   | Type  |
|--------|----------|---|-------|
| status | query    | Status values that need to be considered for filter | array |

### Responses

*200 - successful operation*

*400 - Invalid status value*

---

### GET /pet/findByTags

Finds Pets by tags

- **Description:** Multiple tags can be provided with comma separated strings. Use tag1, tag2, tag3 for testing.
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name | Position | Description       | Type  |
|------|----------|-------------------|-------|
| tags | query    | Tags to filter by | array |

---

**Responses**

200 - *successful operation*

400 - *Invalid tag value*

---

---

**GET /pet/{petId}**

Find pet by ID

- **Description:** Returns a single pet
- **Produces:** ['application/json', 'application/xml']

**Parameters**

| Name  | Position | Description         | Type    |
|-------|----------|---------------------|---------|
| petId | path     | ID of pet to return | integer |

**Responses**

200 - *successful operation*

400 - *Invalid ID supplied*

404 - *Pet not found*

---

---

**POST /pet/{petId}**

Updates a pet in the store with form data

- **Description:**
- **Consumes:** ['application/x-www-form-urlencoded']
- **Produces:** ['application/json', 'application/xml']

**Parameters**

| Name   | Position | Description                        | Type    |
|--------|----------|------------------------------------|---------|
| petId  | path     | ID of pet that needs to be updated | integer |
| name   | formData | Updated name of the pet            | string  |
| status | formData | Updated status of the pet          | string  |

**Responses**

405 - *Invalid input*

---

---

**DELETE /pet/{petId}**

Deletes a pet

- **Description:**
- **Produces:** ['application/json', 'application/xml']

## Parameters

| Name    | Position | Description      | Type    |
|---------|----------|------------------|---------|
| api_key | header   |                  | string  |
| petId   | path     | Pet id to delete | integer |

## Responses

400 - Invalid ID supplied

404 - Pet not found

---

## 2.1.2 store

---

### POST /store/order

Place an order for a pet

- **Description:**
- **Consumes:** ['application/json']
- **Produces:** ['application/json', 'application/xml']

## Parameters

| Name | Position | Description                         | Type |
|------|----------|-------------------------------------|------|
| body | body     | order placed for purchasing the pet |      |

## Responses

200 - successful operation

400 - Invalid Order

---

---

### GET /store/order/{orderId}

Find purchase order by ID

- **Description:** For valid response try integer IDs with value  $\geq 1$  and  $\leq 10$ . Other values will generated exceptions
- **Produces:** ['application/json', 'application/xml']

## Parameters

| Name    | Position | Description                        | Type    |
|---------|----------|------------------------------------|---------|
| orderId | path     | ID of pet that needs to be fetched | integer |

## Responses

200 - successful operation

400 - Invalid ID supplied

---

---

404 - Order not found

---

### DELETE /store/order/{orderId}

Delete purchase order by ID

- **Description:** For valid response try integer IDs with positive integer value. Negative or non-integer values will generate API errors
- **Produces:** ['application/json', 'application/xml']

#### Parameters

| Name    | Position | Description                              | Type    |
|---------|----------|--|---------|
| orderId | path     | ID of the order that needs to be deleted | integer |

#### Responses

400 - Invalid ID supplied

404 - Order not found

---

### GET /store/inventory

Returns pet inventories by status

- **Description:** Returns a map of status codes to quantities
- **Produces:** ['application/json']

#### Parameters

| Name | Position | Description | Type |
|------|----------|-------------|------|
|------|----------|-------------|------|

#### Responses

200 - successful operation

---

## 2.1.3 user

### POST /user/createWithArray

Creates list of users with given input array

- **Description:**
- **Consumes:** ['application/json']
- **Produces:** ['application/json', 'application/xml']

#### Parameters

| Name | Position | Description         | Type |
|------|----------|---------------------|------|
| body | body     | List of user object |      |

### Responses

*default - successful operation*

---

### POST /user/createWithList

Creates list of users with given input array

- **Description:**
- **Consumes:** ['application/json']
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name | Position | Description         | Type |
|------|----------|---------------------|------|
| body | body     | List of user object |      |

### Responses

*default - successful operation*

---

### GET /user/{username}

Get user by user name

- **Description:**
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name     | Position | Description   | Type   |
|----------|----------|---|--------|
| username | path     | The name that needs to be fetched. Use user1 for testing. | string |

### Responses

*200 - successful operation*

*400 - Invalid username supplied*

*404 - User not found*

---

### PUT /user/{username}

Updated user

- **Description:** This can only be done by the logged in user.
- **Consumes:** ['application/json']
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name     | Position | Description                  | Type   |
|----------|----------|------------------------------|--------|
| username | path     | name that need to be updated | string |
| body     | body     | Updated user object          |        |

**Responses**

*400 - Invalid user supplied*

*404 - User not found*

---

**DELETE /user/{username}**

Delete user

- **Description:** This can only be done by the logged in user.
- **Produces:** ['application/json', 'application/xml']

**Parameters**

| Name     | Position | Description                       | Type   |
|----------|----------|-----------------------------------|--------|
| username | path     | The name that needs to be deleted | string |

**Responses**

*400 - Invalid username supplied*

*404 - User not found*

---

**GET /user/login**

Logs user into the system

- **Description:**
- **Produces:** ['application/json', 'application/xml']

**Parameters**

| Name     | Position | Description                          | Type   |
|----------|----------|--------------------------------------|--------|
| username | query    | The user name for login              | string |
| password | query    | The password for login in clear text | string |

**Responses**

*200 - successful operation*

*400 - Invalid username/password supplied*

---

**GET /user/logout**

Logs out current logged in user session

- **Description:**
  - **Produces:** ['application/json', 'application/xml']
-

### Parameters

| Name | Position | Description | Type |
|------|----------|-------------|------|
|------|----------|-------------|------|

### Responses

*default - successful operation*

---

---

### POST /user

Create user

- **Description:** This can only be done by the logged in user.
- **Consumes:** ['application/json']
- **Produces:** ['application/json', 'application/xml']

### Parameters

| Name | Position | Description         | Type |
|------|----------|---------------------|------|
| body | body     | Created user object |      |

### Responses

*default - successful operation*

---



## EXAMPLE CODE

Perform the setup using the following commands

```
bash xyz.py -o <outputfile> -d <inputdir> -t <type>
```

### 3.1 Using API for xyz use case

### 3.2 Using API for mno use case