

# XML Schema Definition

For REST API Functions

Version 1.1

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## Overview

This document contains the XML Definition Schema for XML responses returned when using mOcean Rest API functions.

The schema begins with the following strings to denote which namespace and prefix are to be used:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
```

The set of schema components are:

### addSiteToNetwork()

```
<xs:choice>
  <xs:element name="site" type="xs:integer" />
  <xs:element name="error" type="xs:string" />
</xs:choice>
```

### addZoneToSite()

```
<xs:choice>
  <xs:element name="zone" type="xs:integer" />
  <xs:element name="error" type="xs:string" />
</xs:choice>
```

### getAdDataByRange()

```
<xs:element name="ad_report">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ad_name" type="xs:string"/>
      <xs:element name="network_name" type="xs:string"/>
      <xs:element name="advertiser_name" type="xs:string" />
      <xs:element name="activation_date" type="xs:date" />
      <xs:element name="expiration_date" type="xs:date" />
      <xs:element name="ad_type" type="xs:integer" />
      <xs:element name="campaign_id" type="xs:integer" />
      <xs:element name="ad_id" type="xs:integer"/>
      <xs:element name="cost" type="xs:double" />
      <xs:element name="impressions" type="xs:integer"/>
      <xs:element name="clicks" type="xs:integer" />
    
```

```
        <xs:element name="conversions" type="xs:integer" />
        <xs:element name="cpa" type="xs:double" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:choice>
<xs:element ref="ad_report" />
    <xs:element name="error" type="xs:string" />
</xs:choice>
```

## getAdInfoByDate()

```
<xs:element name="country">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="name" type="xs:string" />
            <xs:element name="impressions" type="xs:integer" />
            <xs:element name="clicks" type="xs:integer" />
            <xs:element name="cost" type="xs:double" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ad">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="name" type="string" />
            <xs:element name="id" type="integer" />
            <xs:element ref="country" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:choice>
    <xs:element ref="ad" />
    <xs:element name="error" type="xs:string" />
</xs:choice>
```

## getAdInfoByRange()

```
<xs:element name="country" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="name" type="xs:string" />
      <xs:element name="impressions" type="xs:integer" />
      <xs:element name="clicks" type="xs:integer" />
      <xs:element name="cost" type="xs:double" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ad">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="name" type="string" />
      <xs:element name="id" type="integer" />
      <xs:element ref="country" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="ad" />
  <xs:element name="error" type="xs:string" />
</xs:choice>
```

## getCampaignGoals()

```
<xs:element name="campaign_group">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="network_id" type="xs:integer" />
      <xs:element name="id" type="xs:integer" />
      <xs:element name="name" type="xs:string" />
      <xs:element name="impression_month_goal" type="xs:integer" />
      <xs:element name="month_impressions" type="xs:integer" />
      <xs:element name="impression_month1_goal" type="xs:integer"
        minOccurs="0"/>
      <xs:element name="impression_month2_goal" type="xs:integer"
        minOccurs="0"/>
      <xs:element name="impression_month3_goal" type="xs:integer" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
        minOccurs="0" />
<xs:element name="impression_month4_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month5_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month6_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month7_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month8_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month9_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month10_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month11_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="impression_month12_goal" type="xs:integer"
    minOccurs="0" />
<xs:element name="activation_date" type="xs:date" />
<xs:element name="expiration_date" type="xs:date" />
<xs:element name="overall_goal" type="xs:integer" />
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:choice>
    <xs:element ref="campaign_group" />
    <xs:element name="error" type="xs:string" />
</xs:choice>
```

## getCampaignZoneByRange()

```
<xs:element name="campaign_stats">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="creative_id" type="xs:integer" />
            <xs:element name="creative_name" type="xs:string" />
                <xs:element name="campaign_id" type="xs:integer" />
                <xs:element name="advertiser_id" type="xs:integer" />
                <xs:element name="advertiser_name" type="xs:string" />
                <xs:element name="company_name" type="xs:string" />
```

```
<xs:element name="campaign_name" type="xs:string" />
<xs:element name="zone_id" type="xs:integer" />
<xs:element name="zone_name" type="xs:string" />
<xs:element name="pubsite_id" type="xs:integer" />
<xs:element name="network_id" type="xs:integer"> />
<xs:element name="cost" type="xs:double" />
<xs:element name="impressions" type="xs:integer" />
<xs:element name="clicks" type="xs:integer" />
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="campaign_stats" />
  <xs:element name="error" type="xs:string" />
</xs:choice>
```

## getInventoryForecast()

```
<xs:element name="inventory">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="network_subdomain" type="xs:string" />
      <xs:element name="network_id" type="xs:integer" />
      <xs:element name="booked" type="xs:integer" />
      <xs:element name="non_booked" type="xs:integer" />
      <xs:element name="non_filled" type="xs:integer" />
      <xs:element name="impressions" type="xs:integer" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="inventory" />
  <xs:element name="login" />
  <xs:complexType>
    <xs:sequence>
      <xs:element name="error" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:choice>
```

## getInventoryForecastByZone()

```
<xs:element name="inventory">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="network_subdomain" type="xs:string" />
      <xs:element name="network_id" type="xs:integer" />
      <xs:element name="pubsite_id" type="xs:integer" />
      <xs:element name="zone_id" type="xs:integer" />
      <xs:element name="booked" type="xs:integer" />
      <xs:element name="non_booked" type="xs:integer" />
      <xs:element name="non_filled" type="xs:integer" />
      <xs:element name="impressions" type="xs:integer" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="inventory" />
  <xs:element name="login" />
    <xs:complexType>
      <xs:sequence>
        <xs:element name="error" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:choice>
```

## getLandingPageData()

```
<xs:element name="landing_page_data">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="lp_id" type="xs:integer" />
      <xs:element name="lp_name" type="xs:string" />
      <xs:element name="url" type="xs:string" />
      <xs:element name="ip" type="xs:string" />
      <xs:element name="ua" type="xs:string" />
      <xs:element name="created" type="xs:date" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

## getLandingPageLeadData()

```
<xs:element name="landing_page_lead_data">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="lp_id" type="xs:integer" />
      <xs:element name="lp_name" type="xs:string" />
      <xs:element name="url" type="xs:string" />
      <xs:element name="field1" type="xs:string" />
      <xs:element name="field2" type="xs:string" />
      <xs:element name="created" type="xs:date" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

## getNetSiteZoneId()

```
<xs:element name="network_site_zone">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="network_name" type="xs:string" />
      <xs:element name="network_id" type="xs:integer" />
      <xs:element name="site_name" type="xs:string" />
      <xs:element name="site_id" type="xs:integer" />
      <xs:element name="zone_id" type="xs:integer" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="login">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="error" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="network_site_zone" />
  <xs:element ref="login" />
</xs:choice>
```

## getNetworkId()

```
<xs:element name="network">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="subdomain" type="xs:string" />
      <xs:element name="id" type="xs:integer" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="login">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="error" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="network" />
  <xs:element ref="login" />
</xs:choice>
```

## getPubsiteId()

```
<xs:element name="site">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="domain" type="xs:string" />
      <xs:element name="network_id" type="xs:integer" />
      <xs:element name="id" type="xs:integer" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="login">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="error" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
```

```
<xs:element ref="site" />
<xs:element ref="login" />
</xs:choice>
```

## getRawRequestsByZone()

```
<xs:element name="zone_requests">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="raw_requests" type="xs:integer" />
      <xs:element name="pubsite_id" type="xs:integer" />
      <xs:element name="zone_id" type="xs:integer" />
      <xs:element name="pubsite_name" type="xs:string" />
      <xs:element name="zone_name" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="login">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="error" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:choice>
  <xs:element ref="zone_requests" />
  <xs:element ref="login" />
</xs:choice>
```

## getSiteInfoByDate() and getSiteInfoByRange()

The following code describes the XML schema for getSiteInfoByDate() and getSiteInfoByRange() functions – as they have similar components in XML response.

```
<xs:element name="site">
  <xs:complexType>
    <xs:sequence>
      <xs:choice>
        <xs:group ref="site_stats" />
        <xs:element name="data" type="xs:string"/>
      </xs:choice>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:group name="site_stats">
    <xs:sequence>
        <xs:element name="name" type="xs:string" />
        <xs:element name="site_id" type="xs:integer" />
        <xs:element name="total_impressions" type="xs:integer" />
        <xs:element name="requests" type="xs:integer" />
        <xs:element name="clicks" type="xs:integer" />
        <xs:element name="total_revenue" type="xs:double" />
        <xs:element name="eCPM" type="xs:double" />
    </xs:sequence>
</xs:group>
```

## getZoneId()

```
<xs:element name="zone">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="name" type="xs:string" />
            <xs:element name="id" type="xs:integer" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="login">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="error" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:choice>
    <xs:element ref="zone" />
    <xs:element ref="login" />
</xs:choice>
```

## getZoneInfoByRange()

```
<xs:element name="zone">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="site_name" type="xs:string" />
      <xs:element name="site_id" type="xs:integer" />
      <xs:element name="zone_id" type="xs:integer" />
      <xs:element name="zone_name" type="xs:string" />
      <xs:choice>
        <xs:group ref="zone_stats">
          <xs:element name="data" type="xs:string" />
        </xs:choice>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:group name="zone_stats">
    <xs:sequence>
      <xs:element name="total_impressions" type="xs:integer" />
      <xs:element name="requests" type="xs:integer" />
      <xs:element name="clicks" type="xs:integer" />
      <xs:element name="revenue" type="xs:double" />
      <xs:element name="ctr" type="xs:double" />
      <xs:element name="eCPM" type="xs:double" />
    </xs:sequence>
  </xs:group>
```

## getAdFeedData()

```
<xs:element name="adfeed">
  <xs:complexType>
    <xs:sequence>
      <xs:choice>
        <xs:group ref="adfeed_stats">
          <xs:element name="error" type="xs:string" />
        </xs:choice>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:group name="adfeed_stats">
    <xs:sequence>
```

```
<xs:element name="imps" type="xs:string" />
<xs:element name="impsThirdParty" type="xs:integer" />
<xs:element name="impsMojivaFeed" type="xs:integer" />
<xs:element name="clicks" type="xs:integer" />
<xs:element name="clicksThirdParty" type="xs:integer" />
<xs:element name="clicksMojivaFeed" type="xs:integer" />
<xs:element name="ctr" type="xs:double" />
<xs:element name="revenue" type="xs:double" />
</xs:sequence>
</xs:group>
```