DOTS IP Address Validation

Introduction

DOTS IP Address Validation (referred to as "IP Address Validation") is a publicly available XML web service that provides lookup information about an IP address. The service provides city, state, country, latitude and longitude coordinates, and proxy, ISP, and network information.

IP Address Validation can help provide instant location verification to websites or data enhancement to contact lists.

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Developer Guide

Operations

This section lists the DOTS IP Address Validation operations and goes into the details behind the inputs and outputs.

Operations:

GetGeoLocationByIP_V4 **(Recommend Operation)**

GetCountryByIP

GetLocationByIP **(Deprecated)**

GetLocationByIP_V2 **(Deprecated)**

GetGeoLocationByIP_V3 **(Deprecated)**

Codes and Notes

This section shows additional supporting data tables that are associated to the DOTS IP Address Validation operations.

Errors

Similar to the Codes and Notes section, this section reflects details on the error outputs that can happen with the service.

Code Snippets and Sample Code

Here you'll find code snippets for various programming languages and frameworks along with links to our sample code page on the web site.

Try The API

This is where you'll go to take the API for a spin. There you can test our recommended operation GetGeoLocationByIP_V4.

Integration Basics

Integrating IP Address Validation into your application should be easy and straightforward. If you are using a common platform, Service Objects may already have sample code built that you can use:
https://www.serviceobjects.com/developers/sample-code/

However, if you are using a common platform that does not already have sample code, you can ask Service Objects to build you an example. Email support@serviceobjects.com for more details.

Web Service Structure

Web services are methods that integrate with other applications via the web, and encapsulate tricky business logic. Web services are too large of a topic to cover in this document, but Service Objects has developed its web services to be as easy to integrate and as accessible as possible.

IP Address Validation is a public XML web service that supports SOAP, POST and GET operations.

The host path, or physical location of the web service is here:

https://trial.serviceobjects.com/gpp/

The location of the WSDL, or Web Service Definition Language document, is here (This is also accessible via the "Service Definition" link.):

https://trial.serviceobjects.com/gpp/soap.svc?wsdl

Service XML Request Help Page

https://trial.serviceobjects.com/gpp/web.svc/xml/help

Service JSON Request Help Page

https://trial.serviceobjects.com/gpp/web.svc/json/help

NOTE: SOAP is done via POST, only with special XML markup in the post-body.

This WSDL is the definition of the web service, defining its inputs, outputs, operations, etc. You will most likely have a tool read this WSDL and make the operations available to you in your application. Whenever your utilities or IDE asks for a WSDL path to IP Address Validation, you can provide the above path.

Every web service has *operations* that it offers to subscribers – methods that do different work and return different output. Examining the link above, you will notice several of these operations available, which are described in detail later on.