



# GeForce NOW SDK: NGN Endpoints

## API Reference

# Document History

SDK-GFN-001\_v1.0

Version	Date	Description of Change
0.1	05/09/2019	Initial version

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GeForce NOW SDK: NGN Endpoint API

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# Introduction

The NGN Endpoint API is part of the GeForce NOW (GFN) SDK and allows clients to perform a web query and receive a complete list of IPs associated with GFN.

## Audience

This document is directed towards Publishers, those that are game launcher/store application developers leveraging GeForce NOW in their application to stream content via seamless UI, and Game Developers, those that are developing games to be streamed via GeForce NOW.

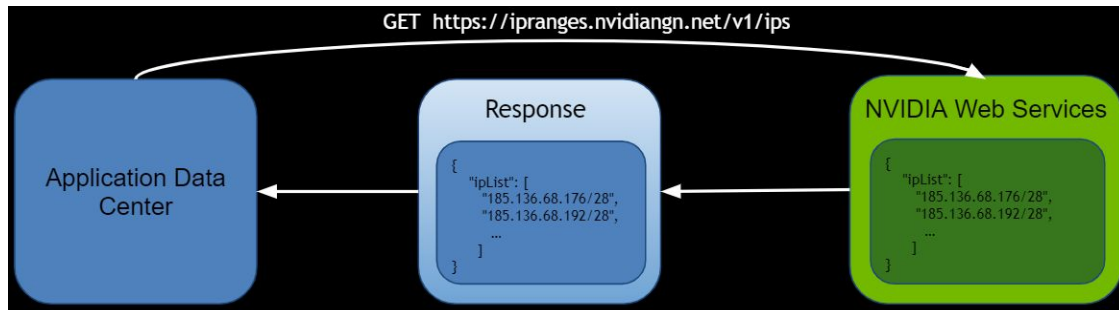
The API defined in this document allow this audience to query the full list of IPs associated with GeForce NOW traffic to set traffic rules such as QoS rules for prioritizing the traffic, or whitelisting to prevent false positives for threat detections.

## Overview

This document contains a high-level overview of the API, as well as the format of the API query and the definition schema of the response.

# Key Concepts

The API is a simple single HTTP GET query, which provides a response in the form of a JSON string list of all the GFN-specific IPs.



This API should be called on initialization of any applications or systems that rely on the IPs for proper traffic handling, or routines that attempt to detect and block any traffic that might look suspicious. For example, a group of gamers playing a specific game in GeForce NOW that phones home with various data could be interpreted as a DDoS attack, triggering traffic blocking rules that degrade the gamer's experience in the game. Instead of triggering such traffic blocking rules, these IPs and the traffic from them can be assumed to be secure from such attacks and thus whitelisted in threat detection software.

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# API Reference

This details the HTTP GET endpoint as well as the JSON schema of the response

The table below lists all methods of the NGN Endpoint interface.

Method	Description
GET IPs	Get a list of all GeForce NOW NGN IPs

## Get IPs

Queries the GeForce NOW data center for all GFN-related IPs via a JSON-based response.

## Common Use Cases

The table below lists the common use cases for this method.

Use Case	Description
QoS Rules	Traffic from GeForce NOW IPs to be given a specific priority
Threat Whitelisting	Traffic from GeForce NOW IPs to be whitelisted in threat detection

## Request

### HTTP Request

```
GET https://ipranges.nvidiangn.net/v1/ips
```

### Authentication

None

### Parameters

None

### Request Body

None

## Success Response

HTTP 200 with JSON data. Schema:

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```
{
  "ipList": {
    "type": "array",
    "items": {
      "type": "string"
    }
  }
}
```

## Error Responses

Standard HTTP error responses

## Expected Response Time

Response to query will be within 1 second.

## Examples

```
{
  {
    "ipList": [
      "185.136.68.176/28",
      "185.136.68.192/28",
      "209.66.87.160/27",
      "8.38.38.128/28",
      "8.44.52.192/27",
      "8.42.102.240/28",
      "185.136.69.160/28",
      "8.44.45.192/26",
      "8.44.53.248/29",
      "8.7.235.176/28",
      ...
    ]
  }
}
```