

Net {JSON}

**Advancements since
Battlemesh v8**

Introduction

**For those who don't know
NetJSON yet**

What is NetJSON?

**data interchange format
designed to describe basic
aspects of networking**

**JSON-based
JavaScript Object Notation
(RFC7159)**

NetJSON types:

DeviceConfiguration

DeviceMonitoring

NetworkRoutes

NetworkGraph

NetworkCollection

“DeviceConfiguration”

<http://netjson.org/docs/what.html#deviceconfiguration>

“DeviceMonitoring”

<http://netjson.org/docs/what.html#devicemonitoring>

“NetworkRoutes”

<http://netjson.org/docs/what.html#networkroutes>

“NetworkGraph”

<http://netjson.org/docs/what.html#networkgraph>

“NetworkCollection”

<http://netjson.org/docs/what.html#networkcollection>

Why NetJSON?

Developing networking applications is way too hard, much harder than we should allow it to be.



Goals of NetJSON

Build interoperable tools

Each tool solving a specific problem

Create an ecosystem

**what has changed
since the last battlemesh?**

NetJSON RFC (draft 0)

We have an RFC:

netjson.org/rfc.html

More implementations

9 different tools

which can be combined

More interest

Website visits have tripled

Interest from IETF mailing lists

Top 5 countries

(Visits nov-apr 2016 to netjson.org)

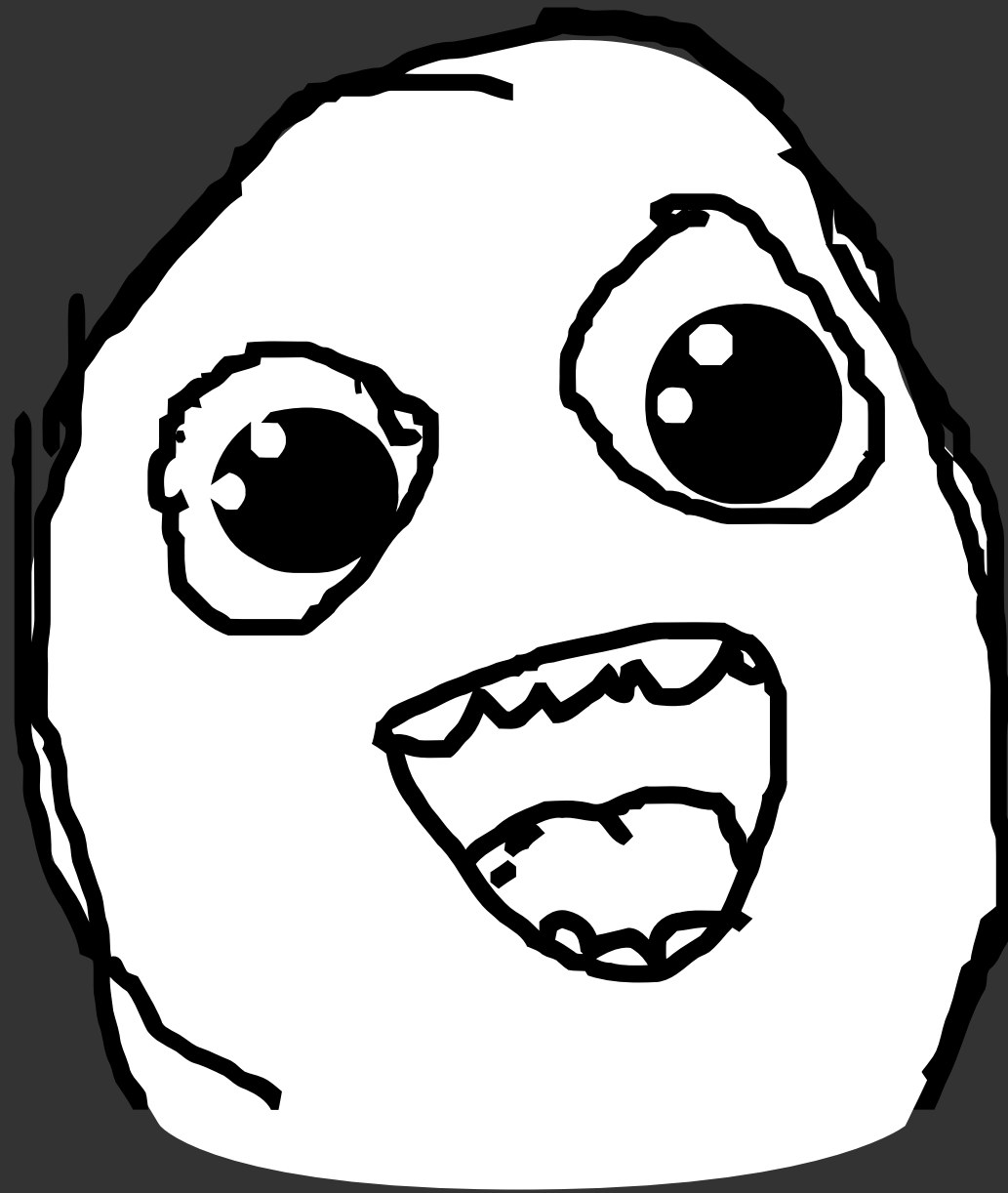
USA (21%)

Italy (18%)

Germany (7%)

Russia (4%)

UK (5%)



NetJSON tools demo

<http://netjson.org/docs/implementations.html>

We've Only Just Begun!

Next steps?

RFC draft 1

Resolve main issues

Refine specification

Implement DeviceMonitoring

IETF

Publish the RFC draft 1

Start looking for a WG

Moar implementations

Especially producers

Extension Registry

Define process and fill registry

<http://netjson.org/docs/extensions.html>

Get funding

Volunteering is not enough

Personal doubts

**Should JSON-Schemas be
removed from the RFC?**

Probably yes.

Which IETF working group?

MANET? GAIA?

Help me out...

Distance vector

we need you!

Thank you

@nemesisdesign

twitter & github