

NGINX Conf 2018

The official event for all things NGINX



# Watch the demo

Slide deck is supplemental, most of the content was presented via a live demo session



# NGINX Unit

## Changes and Demo 2018

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# Agenda

2 min: Intro

5 min: Unit progress, list of new features

20 min: Demo

5 min: Outro

x min: Questions

# Application plane challenges

Frequent infrastructure changes

Multiple application stacks

Hybrid monoliths/microservices

New deployment methods



# NGINX Unit

- Dynamic app server with zero downtime on changes
- Consistently manages apps in 6 languages:
  - PHP, Python, Go, Ruby, Perl, Node.js
- Isolates and scales application processes
- Provides API access to the configuration
- Written in C, lightweight and open source

# Unit Progress

- September 2017: Announcement and first beta
  - Fully dynamic server for PHP, Python, Go
- April 12, 2018: version 1.0 
  - Added Ruby and Perl, security and hardening
- October 2018: version 1.4
  - Added SSL/TLS, announced Node.js, working on Java



[unit.nginx.org/CHANGES.txt](http://unit.nginx.org/CHANGES.txt)



# Unit 0.1 - 0.5

- \* ) Feature: configuration persistence.
- \* ) Feature: application "timeout" property.
- \* ) Feature: the "limits.requests" application option.
- \* ) Feature: the "home" Python virtual environment configuration option.
- \* ) Feature: the "processes" application option with prefork and dynamic process management support.

# Unit 0.6 - 1.2

- \* ) Feature: Ruby application module.
- \* ) Feature: basic access logging.
- \* ) Feature: configuration of environment variables for application processes.
- \* ) Feature: customization of php.ini path.
- \* ) Feature: setting of individual PHP configuration options.
- \* ) Feature: configuration of execution arguments for Go applications.

# Unit 1.3 - 1.4

- \* ) Feature: configuration of the request body size limit.
- \* ) Feature: configuration of various HTTP connection timeouts.
- \* ) Change: the control API maps the configuration object only at `"/config/"`.
- \* ) Feature: TLS support for client connections.
- \* ) Feature: Unit library (libunit)
- \* ) Feature: "408 Request Timeout" responses while closing HTTP keep-alive connections.

# Unit 1.5

\*) Feature: Node.js application module.



Demo



Demo

# Q&A

`unit.nginx.org`

`nginx.com/blog/tag/nginx-unit`

`github.com/nginx/unit`

`unit@nginx.org` mailing list

# NGINX

Thank you

