



Powering and Securing Modern Apps with NGINX and Red Hat OpenShift

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Agenda

Better together: Red Hat Openshift with NGINX Plus

Why NGINX and Red Hat?

Demo



Better Together: Red Hat OpenShift with NGINX Plus

TACKLING DIGITAL TRANSFORMATION TODAY



60%

of organizations have already migrated some or all their apps to microservices¹



85%

of new workloads are deployed in containers¹



83%

of internet traffic today is made up of API calls¹

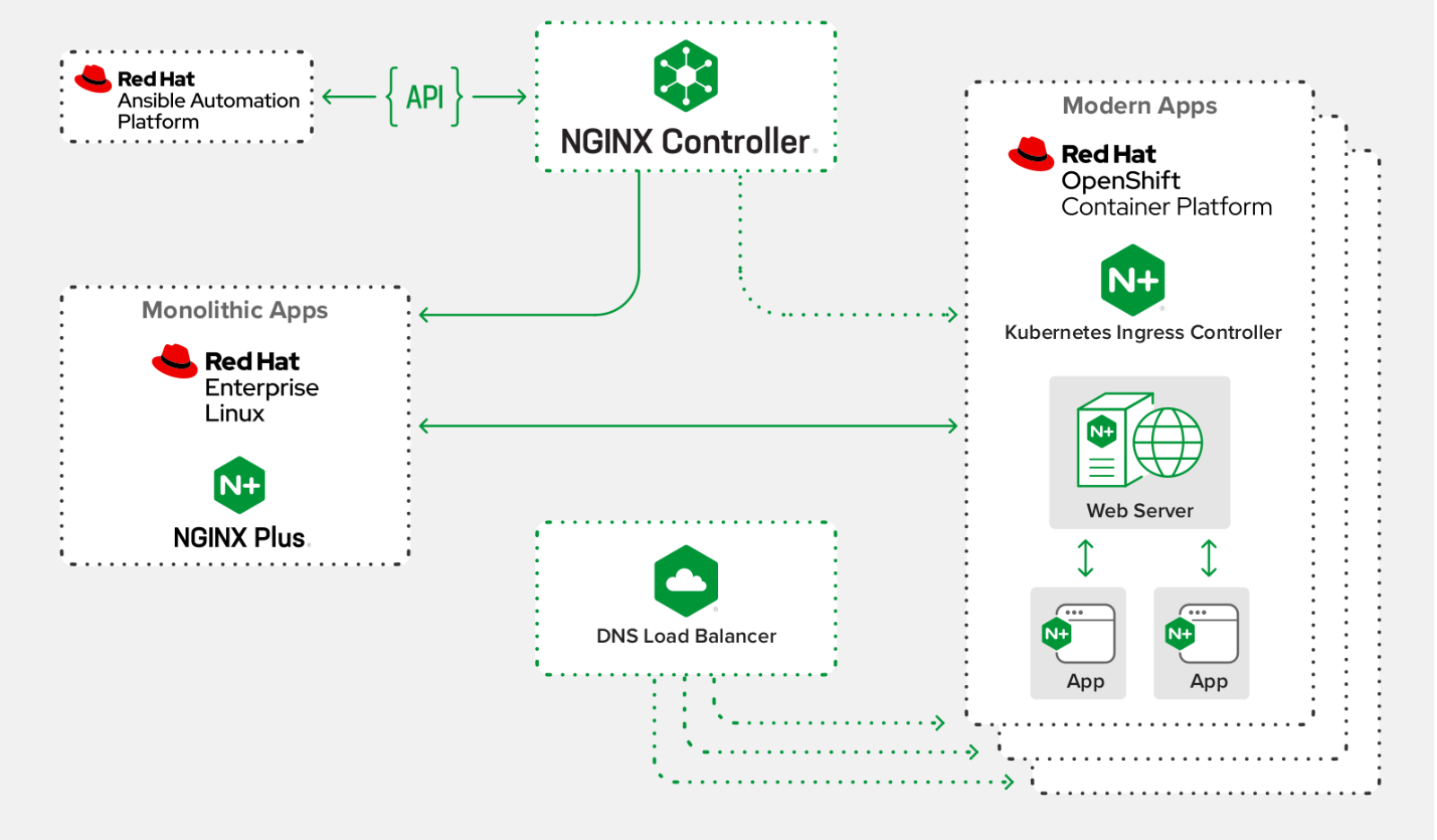


82%

of enterprise workloads are in the cloud¹

Modern Apps Delivery with Red Hat and NGINX

DIGITAL TRANSFORMATION IS KEY



Why NGINX and Red Hat?

FULL PLATFORM FOR CONTAINER MANAGEMENT



Get a Feature-Rich Platform
for Container Management



Use Simple, Lightweight Architecture
and Secure Monolithic Apps



Protect Applications
Against Threats



Protect APIs Without
Impacting Performance



Achieve Enterprise-
grade Kubernetes



Accelerate Release
Cycles and Innovation



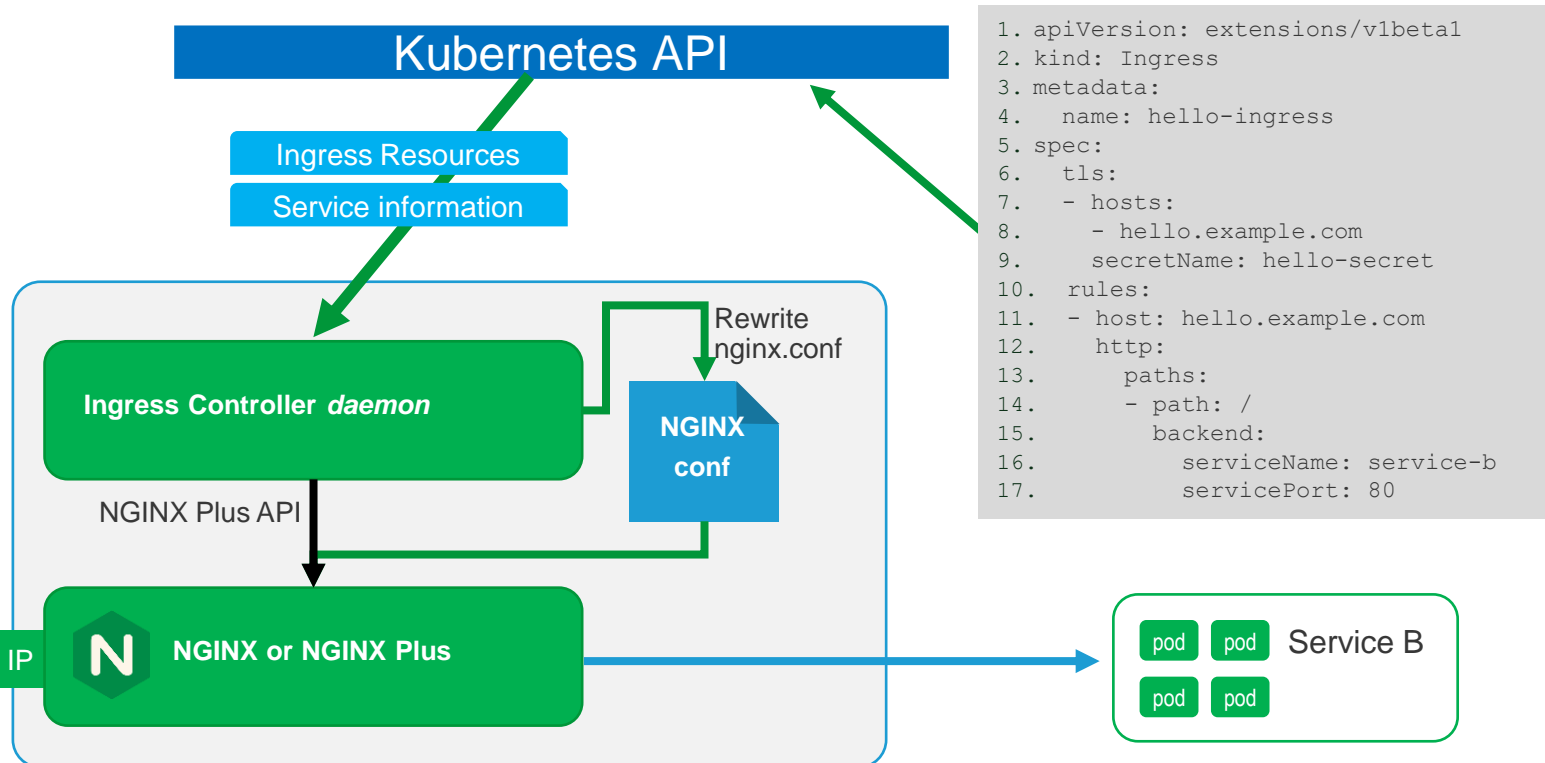
Speed Up and Secure Traffic



Reduce Server Load and
Speed Up Content Delivery

Why NGINX Ingress Controller Plus

The devil is in the details



```
1. apiVersion: extensions/v1beta1
2. kind: Ingress
3. metadata:
4.   name: hello-ingress
5. spec:
6.   tls:
7.     - hosts:
8.       - hello.example.com
9.       secretName: hello-secret
10.  rules:
11.    - host: hello.example.com
12.      http:
13.        paths:
14.          - path: /
15.            backend:
16.              serviceName: service-b
17.              servicePort: 80
```

- No side effects when scaling applications *
- NGINX App Protect – port of F5 AWAF on NGINX
- Signatures from F5
 - inc. Thread Campaign
- ~10x lower latency v.s. Mod Security
- Transferring security policy F5 <-> NGINX
- L7 DDoS Protection
- OpenID Connect (natively)
- Native integration with NGINX Service Mesh
- Increased visibility
- Support and maintenance
 - Confidentiality of information when setting up cases

DEMO



