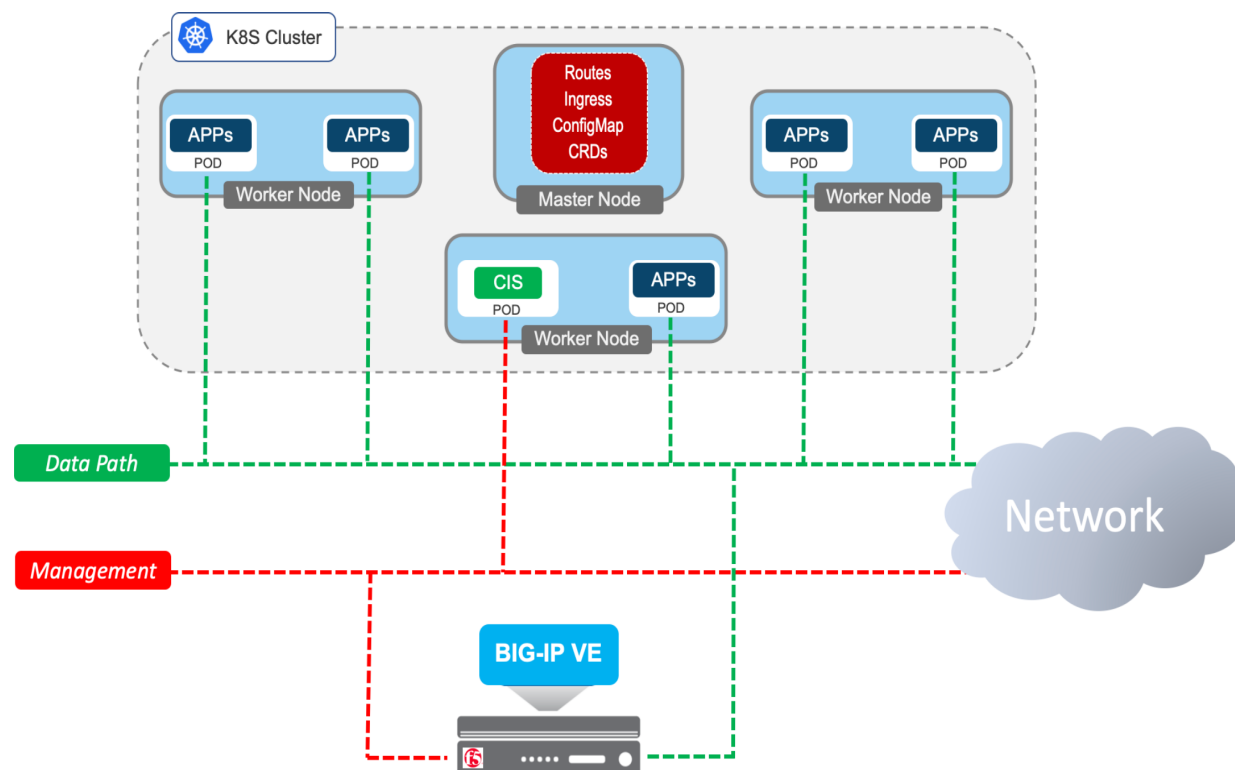


Moderná ochrana perimetra

Panelová diskusia

Ochrana moderných workloadov v ponímaní F5

F5 BIG- IP Container Ingress Services (CIS) integrates with container orchestration environments to dynamically create L4/L7 services on F5 BIG-IP systems, and load balance network traffic across the services.



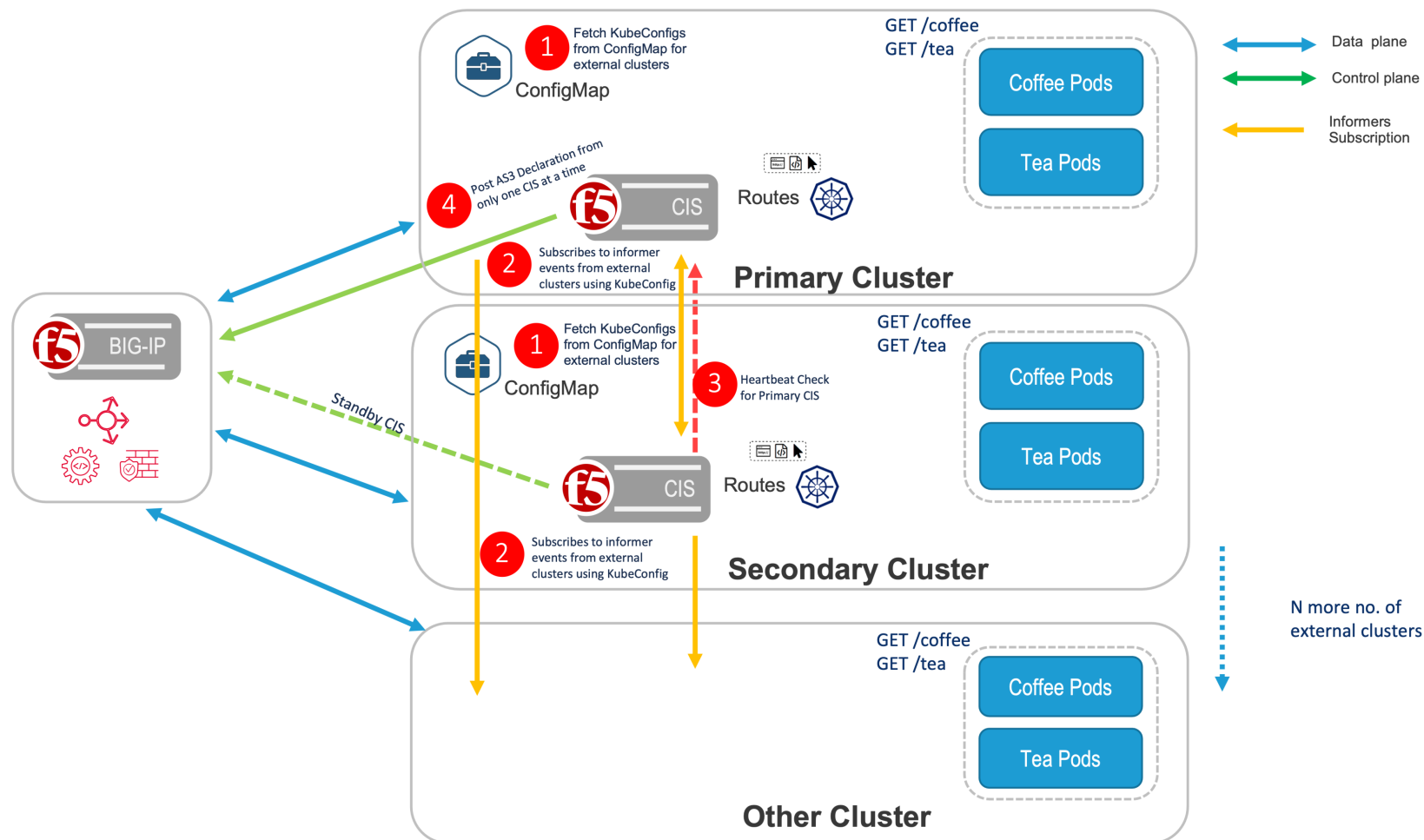
K8S
Openshift
VMware Tanzu

```
--bigip-username=$(BIGIP_USERNAME)",
--bigip-password=$(BIGIP_PASSWORD)",
--bigip-url=<ip_address-or-hostname>",
--bigip-partition=<name_of_partition>",
--pool-member-type=nodeport",
--insecure",
```

Container Ingress Service can manage only standalone BIG-IP or an HA BIG-IP. In other words, CIS acts as a single point of BIG-IP orchestrator and supports multi-cluster.



Ochrana moderných workloadov v ponímaní F5



Automatizácia prevádzky F5

F5 admins can automate and orchestrate using Ansible through a series of integrations with the F5 BIG-IP API-called modules. These modules leverage the full API support implemented on F5 BIG-IP hardware and virtual platforms

Ansible F5 modules enable most common use cases, such as:

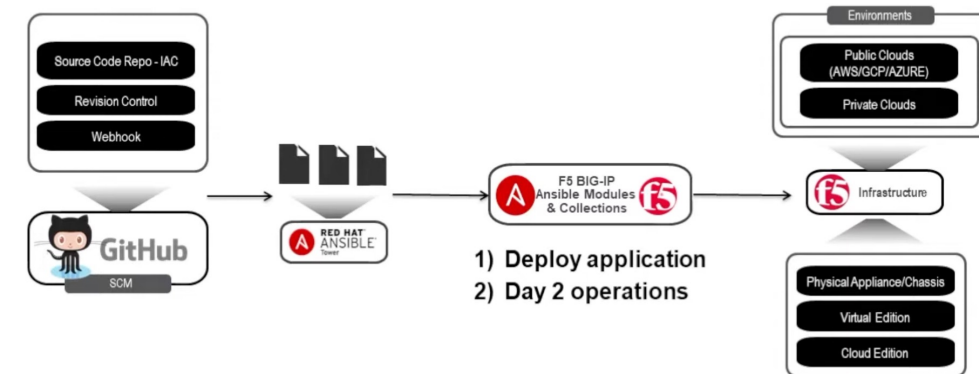
- Automating the initial configurations on the BIG-IP like DNS, NTP etc.
- Automation to Network the BIG-IP (VLANs, Self-Ips)
- Automated deployment of HTTP and HTTPS applications
- Managing Virtual-Servers, Pools, Monitors and other configuration objects

Ansible F5 solution provides:

- Agentless solution: No new software to install on BIG-IP
- Makes use of the native APIs of BIG-IP
- End to End automation: licensing a BIG-IP to application deployment
- Improved configuration and automation speed and consistency
- Ansible F5 modules follow best practice and enable continuous compliance



Automatizácia prevádzky F5



```

student1@ansible-1:~$ cat lab_inventory/hosts
[all:vars]
ansible_user=student1
ansible_ssh_pass=bcH3HCVxLAMBbJ
ansible_port=22

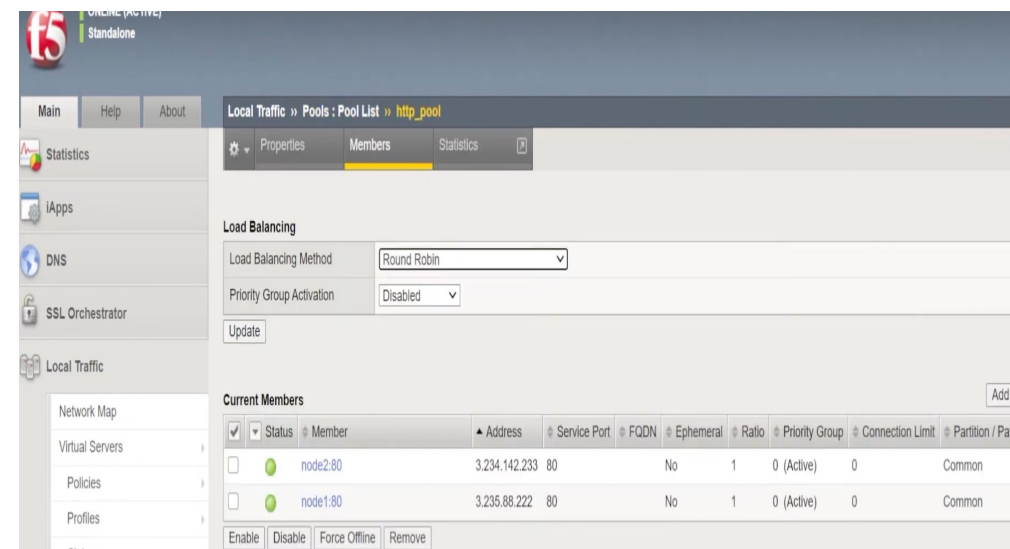
[lb]
f5 ansible_host=3.236.158.51 ansible_user=admin private_ip=172.16.214.112 ansible_ssh_pass=bcH3HCVxLAMBbJ

[control]
ansible ansible_host=3.239.167.69 ansible_user=ec2-user private_ip=172.16.253.2

[web]
node1 ansible_host=3.235.88.222 ansible_user=ec2-user private_ip=172.16.60.88
node2 ansible_host=3.234.142.233 ansible_user=ec2-user private_ip=172.16.181.40
  
```

```

17
18 TASK [ADD VIRTUAL SERVER] ***** 14:51:29
19 changed: [f5]
20
21 TASK [PRINT OUT WEB VIP FOR F5] ***** 14:51:32
22 ok: [f5] => {
23   "msg": "The VIP (Virtual IP) is https://3.236.158.51"
24 }
25
26 PLAY RECAP ***** 14:51:33
27 f5 : ok=6 changed=4 unreachable=0 failed=0 skipped=0 rescue
  
```



Automatizácia prevádzky F5

[Product](#)
[Solutions](#)
[Open Source](#)
[Pricing](#)

[https://github.com/F5Networks](#)

F5

F5 Software: See <https://support.f5.com/csp/article/K80012344> for the list of supported projects. See <https://www.github.com/f5devcentral> for Community Solutions

150 followers Seattle <https://f5.com>

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[Repositories 74](#)
[Projects](#)
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Pinned

f5-appsvcs-extension (Public)

F5 BIG-IP Application Services 3 Extension

JavaScript 150 63

f5-ansible-bigip (Public)

Declarative Ansible collection for managing F5 BIG-IP/BIG-IQ.

Python 32 15

k8s-bigip-ctlr (Public)

Repository for F5 Container Ingress Services for Kubernetes & OpenShift.

Go 294 183

f5-aws-cloudformation-v2 (Public)

AWS Cloudformation Templates for quickly deploying BIG-IP services in AWS

10 22

f5-azure-arm-templates-v2 (Public)

Azure Resource Manager Templates for quickly deploying BIG-IP services in Azure

16 38

terraform-provider-bigip (Public)

Terraform resources that can configure F5 BIG-IP products

Go 94 110

People

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Most used topics

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Repositories

Type Language Sort

f5-openstack-lbaasv2-driver (Public)

F5 LBaaSv2 service provider driver for OpenStack Liberty and beyond

Python 21 Apache-2.0 37 37 (1 issue needs help) 14 Updated 22 minutes ago

terraform-provider-f5os (Public)

Go 3 MPL-2.0 0 0 3 Updated 11 hours ago

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Terraform resources that can configure F5 BIG-IP products

Go 94 MPL-2.0 110 34 7 Updated 15 hours ago

k8s-bigip-ctlr (Public)

Repository for F5 Container Ingress Services for Kubernetes & OpenShift.

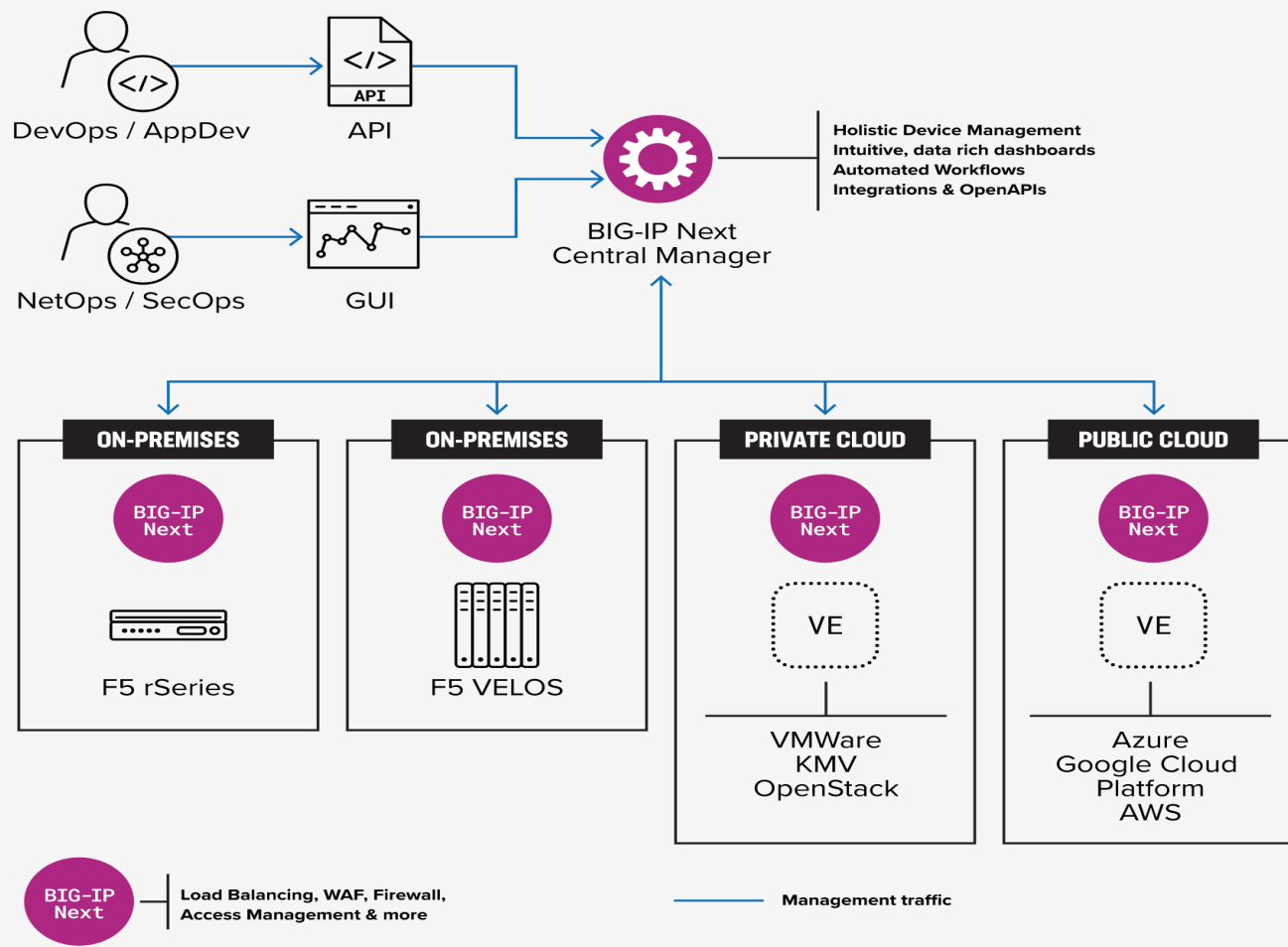
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Prevádzka hybridných multicloud prostredí



Microservis architektúra big-ip next



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