

RED HAT  
**SUMMIT**

# Top 3 F5 BIG-IP and Ansible Use Cases

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# Gathering Facts

# Gathering Facts

Gathering facts is the first thing you should do when starting your automation journey.

- Allows gathering of information about your environment
- Provides source of truth for your current network state
- Provides variables that can be used in other playbooks

# Gathering Facts

```
---
- hosts: all
  gather_facts: False
  connection: local

  tasks:
    - name: Collect BIG-IP facts
      bigip_facts:
        server: "{{ inventory_hostname }}"
        include: device
```



# Making a Change

# Making a Change

Making a change is the next step in your automation journey with F5 and Ansible.

- Add nodes to the load balancer
- Add nodes to pools
- Add vips to pools

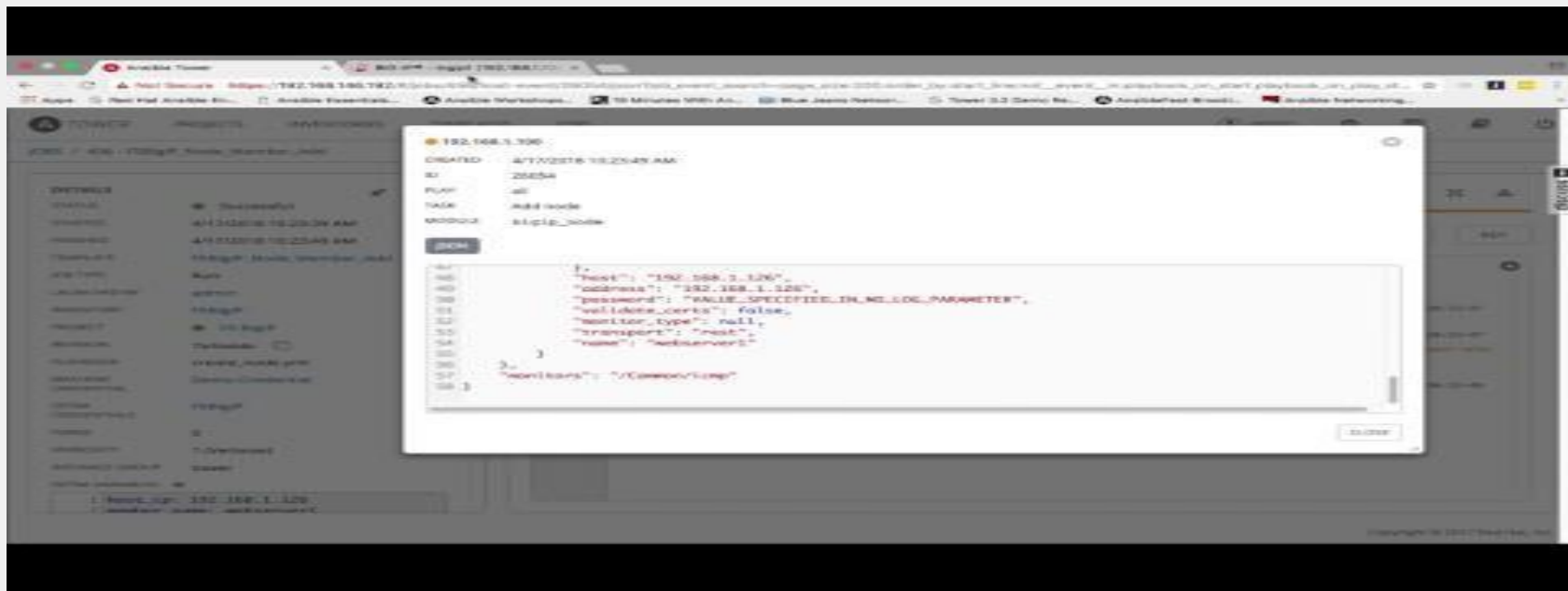
# Making a Change

```
---
- hosts: all
  gather_facts: False
  connection: local

  tasks:
  - name: Add node
    bigip_node:
      server: "{{ inventory_hostname }}"
      state: "present"
      partition: "Common"
      host: "{{ host_ip }}"
      name: "{{ member_name }}"
      monitors:
        - /Common/icmp
      validate_certs: false
```



# Making a Change



# Deploying an iApp

# Deploying an iApp

The final step in your journey in network automation with Ansible and F5 is the ability to deploy full stacks for your applications using templates.

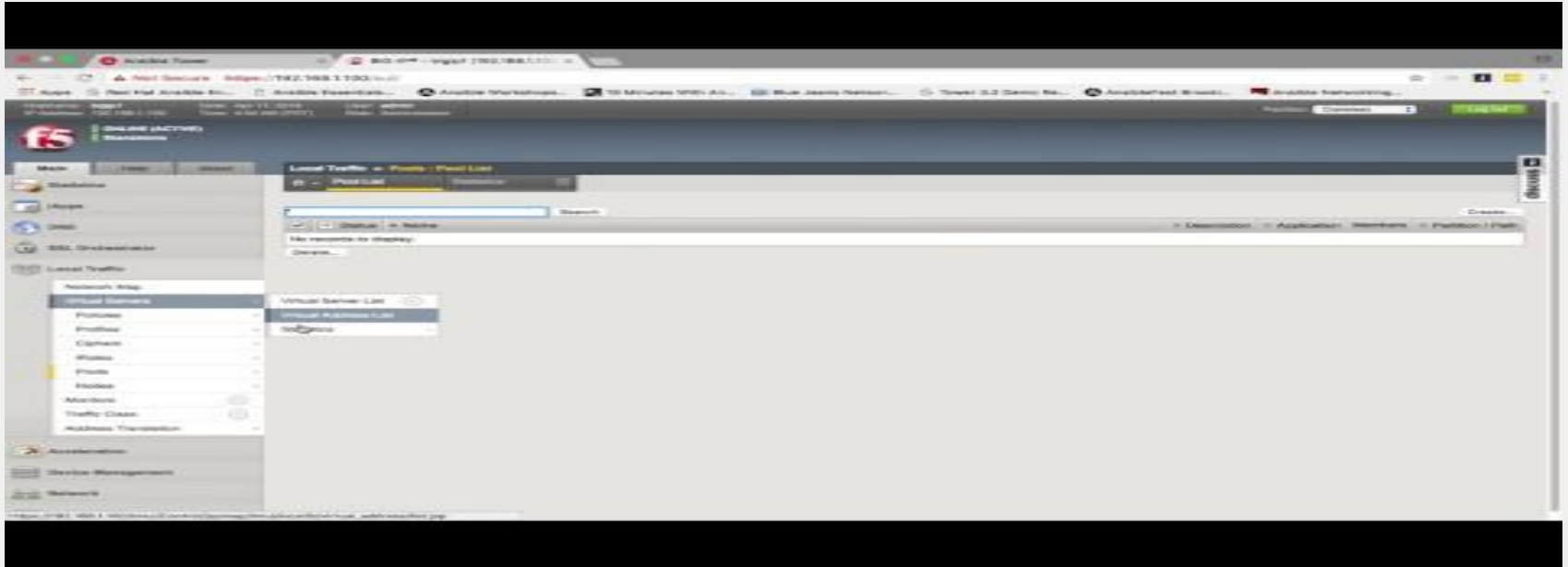
- Allows you to build full stacks for your applications
- Creates wholesale changes that are then revision controlled inside of your source of truth

# Deploying an iApp (snippet)

```
---
- hosts: all
  gather_facts: False
  connection: local

  tasks:
    - name: Check {{ appsvcs_ver }} isn't already there
      connection: local
      gather_facts: no
      hosts: bigips
      tasks:
        - name: Get the templates
          uri:
            url: https://{{ inventory_hostname }}/mgmt/tm/cloud/templates/iapp/
            validate_certs: no
            return_content: yes
          register: iapps_list
```

# Deploying an iApp



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