

ansible (ad-hoc command)

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| Syntax | ansible <hosts> -m <module> -a "<module arguments>" |
| Ping all servers | ansible all -m ping |
| Execute a shell command | ansible webservers -m shell -a "uptime" |
| Check disk space | ansible all -m shell -a "df -h" |

ansible-inventory

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| View entire inventory in JSON format | ansible-inventory --list |
| View information for a specific group | ansible-inventory --graph webservers |
| Export inventory to YAML | ansible-inventory --list -y |

El inventario define los hosts y grupos sobre los que Ansible ejecutará las tareas.

Características del Inventario:

- Puede ser estático (archivo) o dinámico (script)
- Soporta grupos y subgrupos
- Permite definir variables por host y por grupo
- Puede tener múltiples inventarios (producción, staging, desarrollo)

ansible-vault

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| Create new encrypted file | ansible-vault create secrets.yml |
| Encrypt existing file | ansible-vault encrypt vars.yml |
| Edit encrypted file | ansible-vault edit secrets.yml |
| Decrypt file | ansible-vault decrypt secrets.yml |
| View content without decrypting | ansible-vault view secrets.yml |

Encrypts and decrypts sensitive files.

ansible-console

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| Start interactive console | ansible-console |
| Inside the console | webservers.ping |
| Inside the console | webservers.shell uptime |

ansible-playbook

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| Basic syntax | ansible-playbook [options] playbook.yml |
| Run a playbook | ansible-playbook site.yml |
| Run in check mode (simulation) | ansible-playbook site.yml --check |
| Run with extra variables | ansible-playbook site.yml --extra-vars "variable=value" |
| # Run limiting to certain hosts | ansible-playbook site.yml --limit webservers |

Los playbooks son archivos YAML que definen la configuración deseada y las tareas a ejecutar.

Características de los Playbooks:

- Definen una serie de plays (jugadas)
- Cada play asocia hosts con roles y tareas
- Pueden incluir variables, handlers y roles
- Soportan condicionales y bucles
- Permiten reutilización de código

ansible-doc

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| List all modules | ansible-doc -l |
| View documentation for a specific module | ansible-doc apt |
| View usage examples for a module | ansible-doc -s copy |
| Shows module documentation. | |

ansible-config

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| View current configuration | ansible-config dump |
| View configuration with default values | ansible-config list |
| View configuration file in use | ansible-config view |

ansible-galaxy

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| Install a role | ansible-galaxy install username.role_name |
| Initialize new role structure | ansible-galaxy init my_new_role |
| List installed roles | ansible-galaxy list |
| Install roles from requirements.yml | ansible-galaxy install -r requirements.yml |

Manages Ansible Galaxy roles and collections.

