

# ADCM

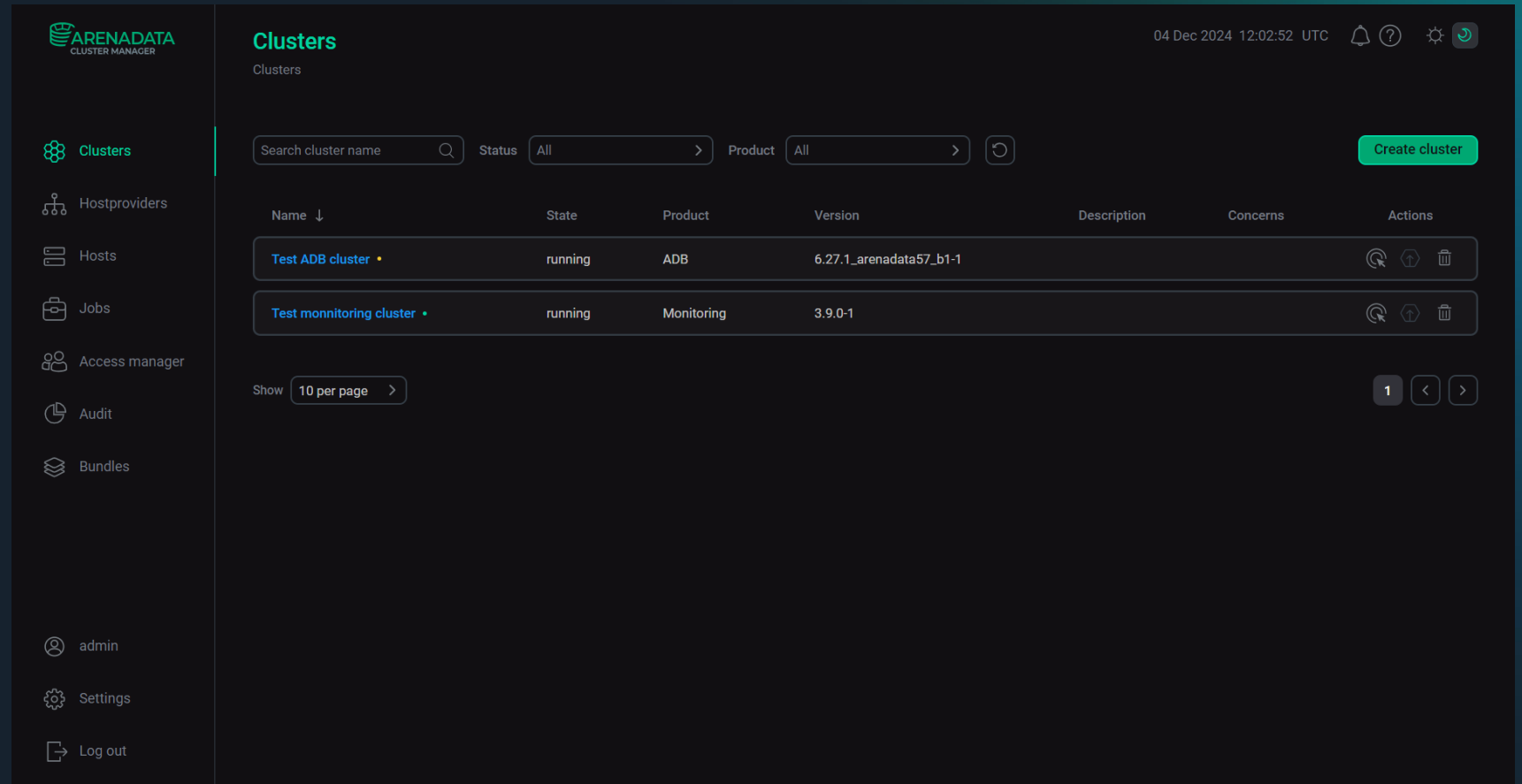
от идеи бандла до рабочего кластера

Апрель 2026









# Что такое ADCM ?

Arenadata Cluster Manager (ADCM) — универсальный инструмент для простой и быстрой установки, настройки и обновления всех продуктов платформы Arenadata на любой инфраструктуре с удобным и современным графическим интерфейсом



The screenshot shows the ADCM Clusters management interface. The top navigation bar includes the ADCM logo, the current date and time (04 Dec 2024 12:02:52 UTC), and utility icons for notifications, help, settings, and refresh. The left sidebar contains a menu with options: Clusters (selected), Hostproviders, Hosts, Jobs, Access manager, Audit, Bundles, admin, Settings, and Log out. The main content area is titled 'Clusters' and features a search bar for cluster names, filters for Status (All) and Product (All), and a 'Create cluster' button. Below these is a table listing clusters:

Name ↓	State	Product	Version	Description	Concerns	Actions
Test ADB cluster •	running	ADB	6.27.1_arenadata57_b1-1			  
Test monitoring cluster •	running	Monitoring	3.9.0-1			  

At the bottom of the table, there is a 'Show 10 per page' dropdown and a pagination control showing page 1 of 1.

## Что такое ADCM ?



# Что такое ADCM внутри?



# Ansible playbook

```
1 ---
2 - name: Install Go (Golang) on Linux
3   hosts: >-
4     {{
5       'Go.Go.add' if groups.get('Go.Go.add') | default([], true) else
6       'target' if groups.get('target') | default([], true) else
7       'Go' if groups.get('Go') | default([], true) else
8       'all'
9     }}
10    become: yes
11    vars:
12      go_version: "1.22.2"
13
14
15      go_arch_map:
16        x86_64: "amd64"
17        aarch64: "arm64"
18        armv7l: "armv6l"
19        i386: "386"
20
21      go_arch: "{{ go_arch_map[ansible_architecture] | default('amd64') }}"
22      go_url: "https://go.dev/dl/go{{ go_version }}.linux-{{ go_arch }}.tar.gz"
23      go_install_dir: "/usr/local"
24      go_profile_script: "/etc/profile.d/go.sh"
25
26      go_checksum: ""
27
```

```
28 tasks:
29   - name: Install required system packages
30     ansible.builtin.package:
31       name:
32         - wget
33         - tar
34         - curl
35       state: present
36
37   - name: Download Go archive
38     ansible.builtin.get_url:
39       url: "{{ go_url }}"
40       dest: "/tmp/go{{ go_version }}.tar.gz"
41       mode: '0644'
42       checksum: "{{ go_checksum | default(omit) }}"
43
44   - name: Extract Go to installation directory
45     ansible.builtin.unarchive:
46       src: "/tmp/go{{ go_version }}.tar.gz"
47       dest: "{{ go_install_dir }}"
48       remote_src: yes
49       creates: "{{ go_install_dir }}/go/bin/go"
```

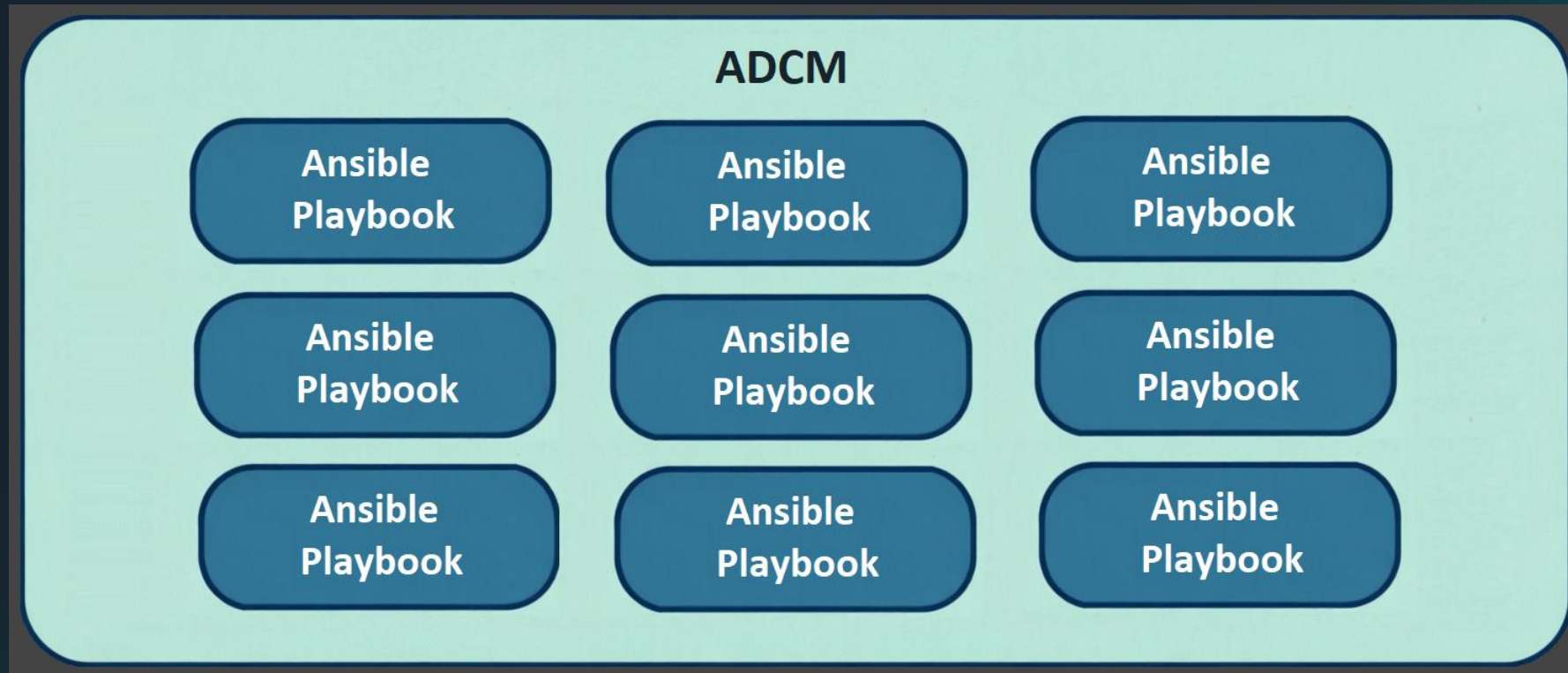
# inventory.json

```
1  {
2    "all": {
3      "children": {
4        "CLUSTER": {
5          "hosts": {
6            "h3": {}
7          }
8        }
9      },
10     "vars": {
11       "cluster": {
12         "id": 2,
13         "state": "created",
14         "multi_state": [],
15         "before_upgrade": {
16           "state": null
17         },
18         "config": {},
19         "name": "DT",
20         "version": "5",
21         "edition": "community",
22         "uuid": "5432742e-19d4-458e-878a-f4999daa42f1"
23       },
24       "services": {}
25     },

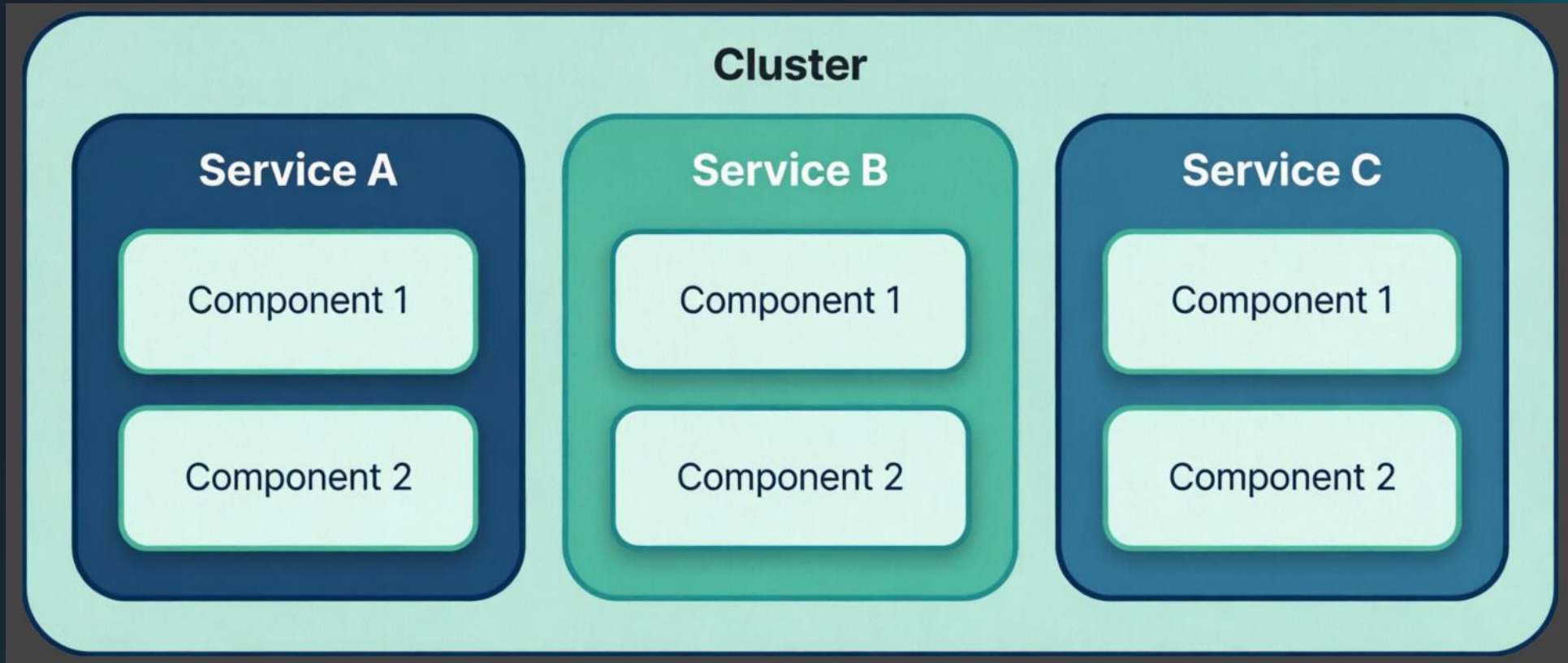
```

```
"hosts": {
  "h3": {
    "adcm_hostid": 2,
    "state": "created",
    "multi_state": [],
    "uuid": "9334b2b9-7719-4fc6-a04d-ef917fb0b364",
    "__main_info": "Please configure <b>Connection address",
    "ansible_host": null,
    "ansible_user": "root",
    "ansible_become": true,
    "ansible_ssh_pass": null,
    "ansible_ssh_port": "22",
    "ansible_become_pass": null,
    "ansible_ssh_common_args": "-o StrictHostKeyChecking=no",
    "ansible_ssh_private_key_file": null
  }
}
```

# Что такое ADCM изнутри?



# Структура кластера ADCM



# Основной элемент в ADCM



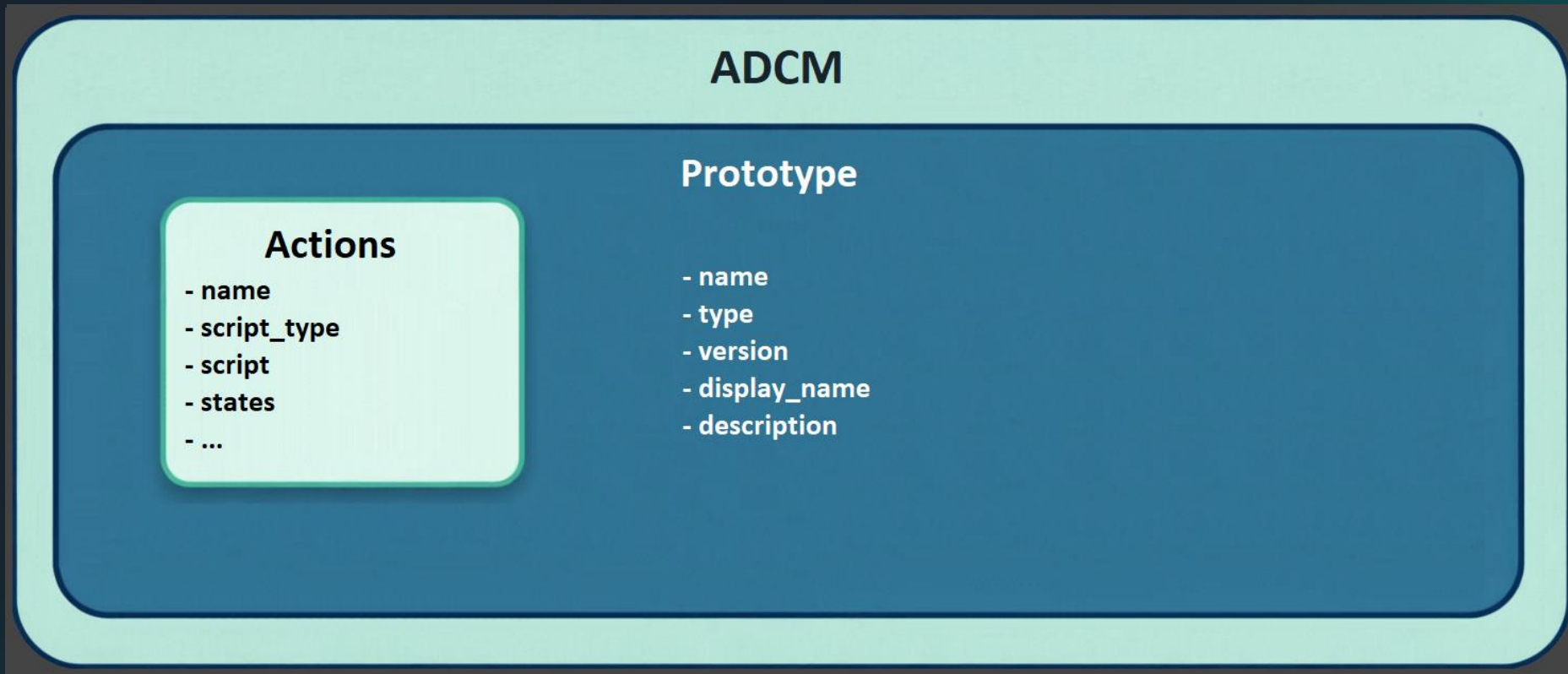
# Prototype

## ADCM

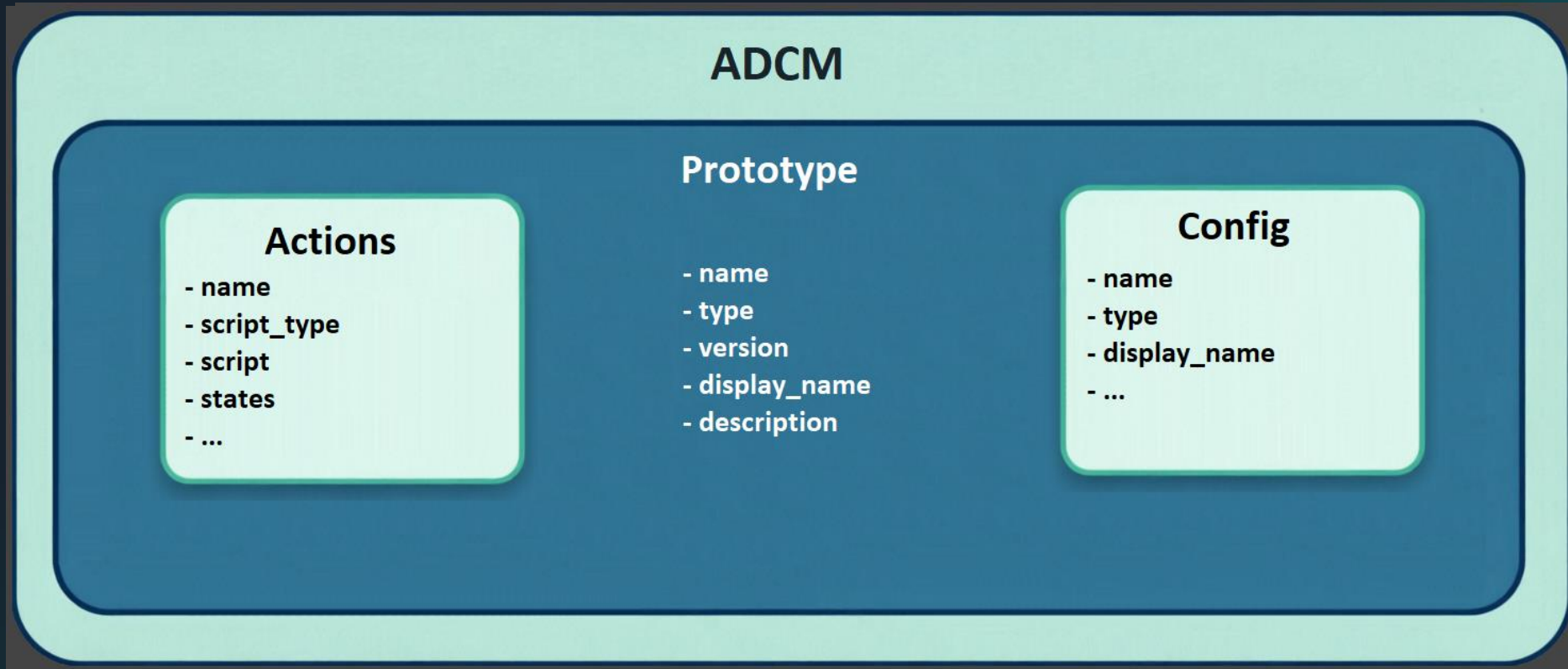
### Prototype

- name
- type
- version
- display\_name
- description

# Prototype

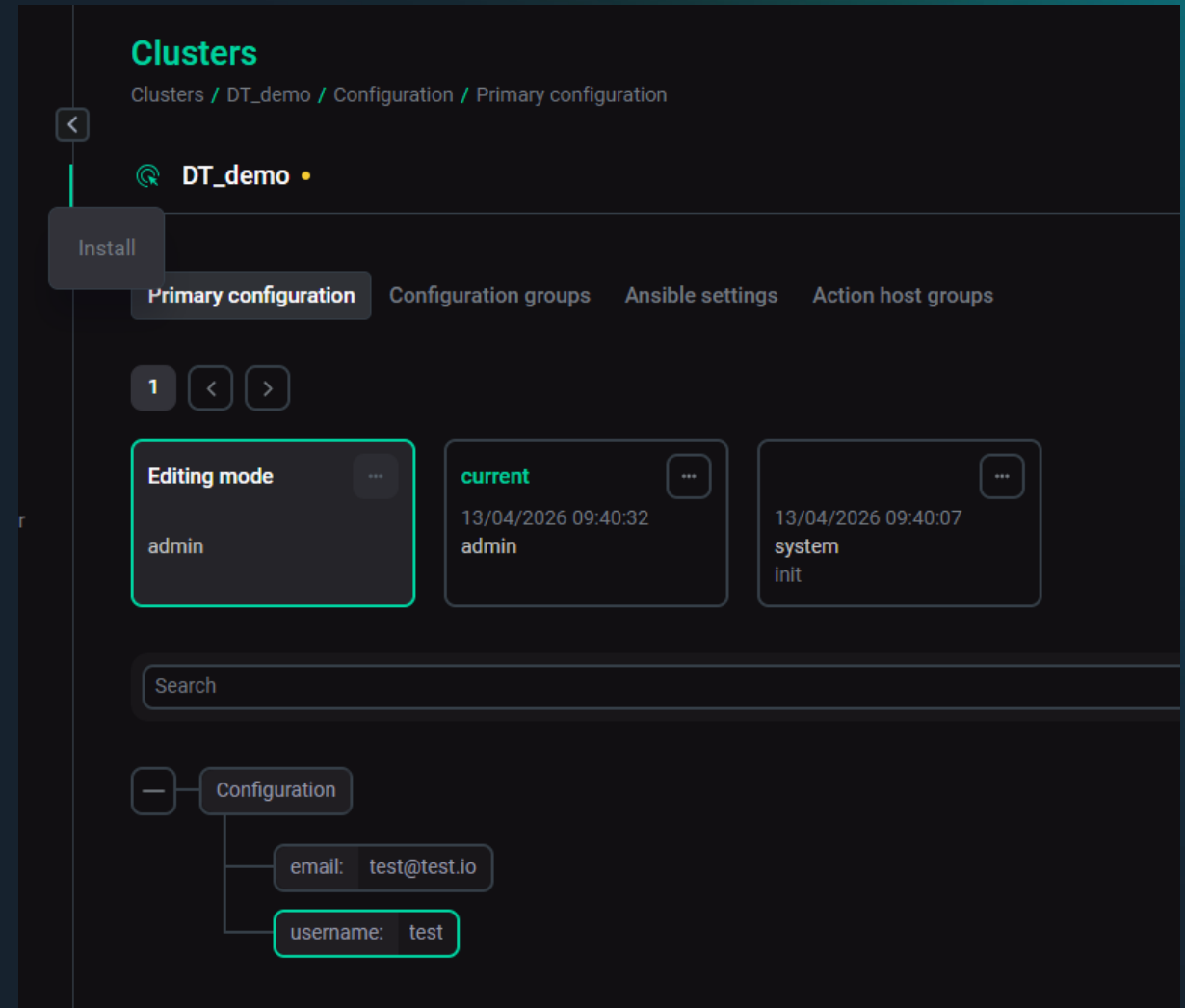


# Prototype



# config.yaml

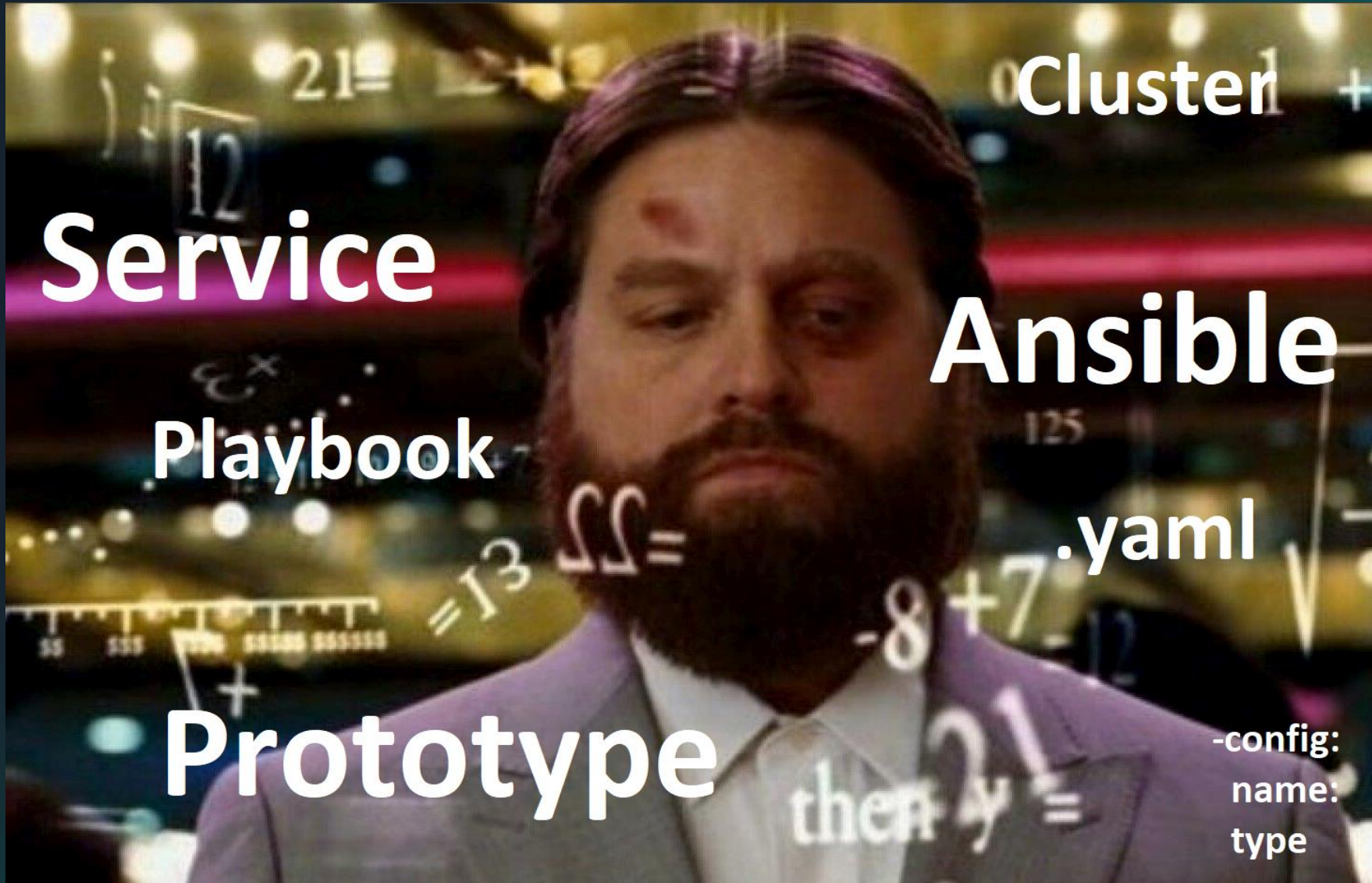
```
1 - name: Developer tools
2   type: cluster
3   version: 4
4   venv: "2.16"
5
6   actions:
7     Install:
8       type: task
9       scripts:
10        - name: Install_git
11          script_type: ansible
12          script: ansible/install_git.yml
13        states:
14          available: any
15
16   config:
17     - name: email
18       type: string
19     - name: username
20       type: string
21
```



The screenshot shows the 'Clusters' management interface. The breadcrumb path is 'Clusters / DT\_demo / Configuration / Primary configuration'. A navigation bar includes 'Install', 'Primary configuration' (selected), 'Configuration groups', 'Ansible settings', and 'Action host groups'. Below this is a pagination control showing '1' of 1 items. The main content area displays three configuration items:

- Editing mode**: admin
- current**: 13/04/2026 09:40:32, admin
- 13/04/2026 09:40:07**: system, init

A search bar is located below the items. At the bottom, a tree view shows the 'Configuration' node expanded to reveal two fields: 'email: test@test.io' and 'username: test'.



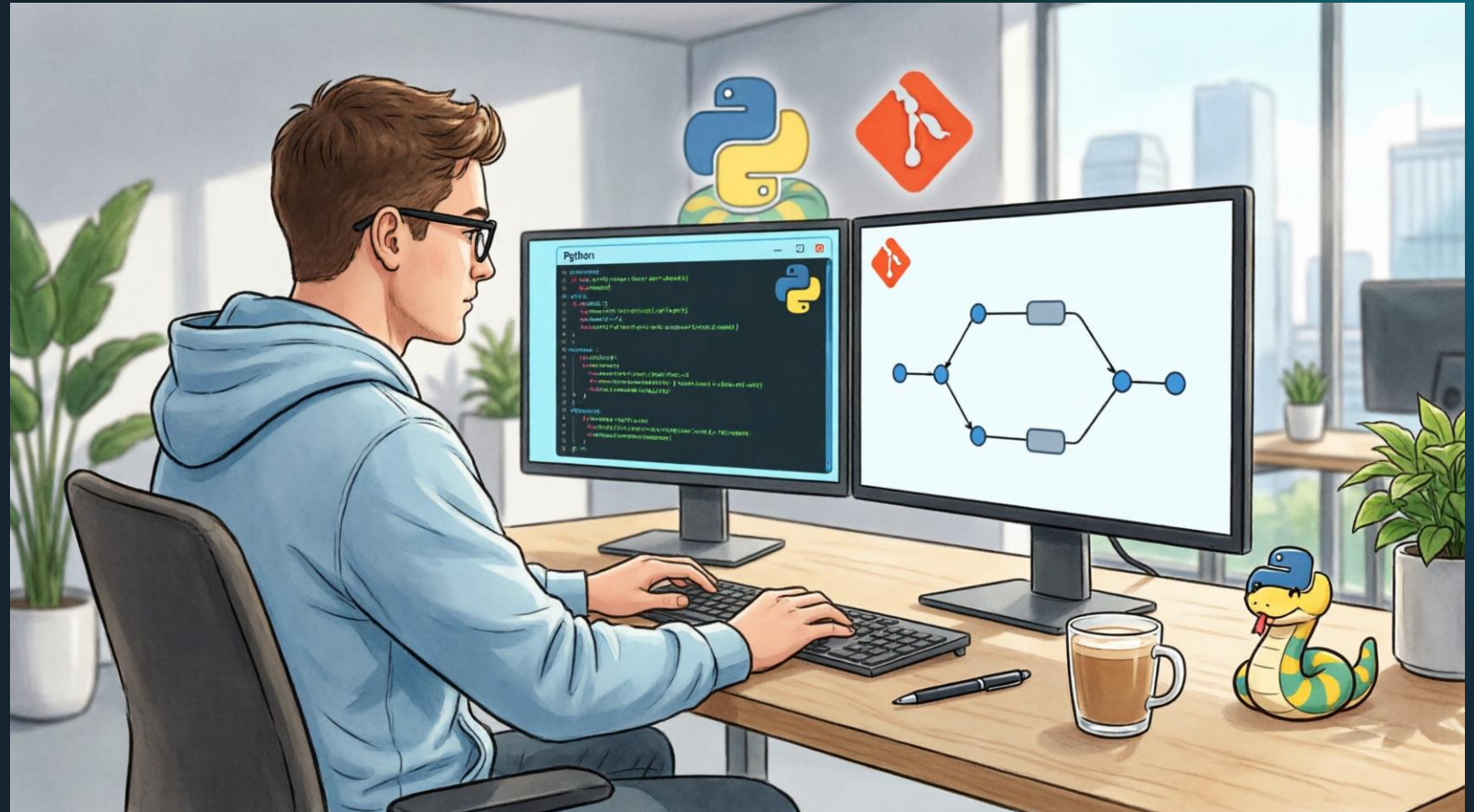
## Что делаем?

Проблема:

- для каждого нового разработчика необходимо установить Git и Python

Решение :

- напишем свой Bundle ADCM для установки необходимого ПО



## 1 Общее

- Переработка и улучшение документации
- Обновление дизайна в соответствии с другими продуктами Arenadata

## 3 Улучшение функциональности

- Реализация дополнительных возможностей для конфигурирования продуктов
- Возможность централизованного хранения секретов в OpenVault
- Возможность использовать Consul для контроля статусов компонент

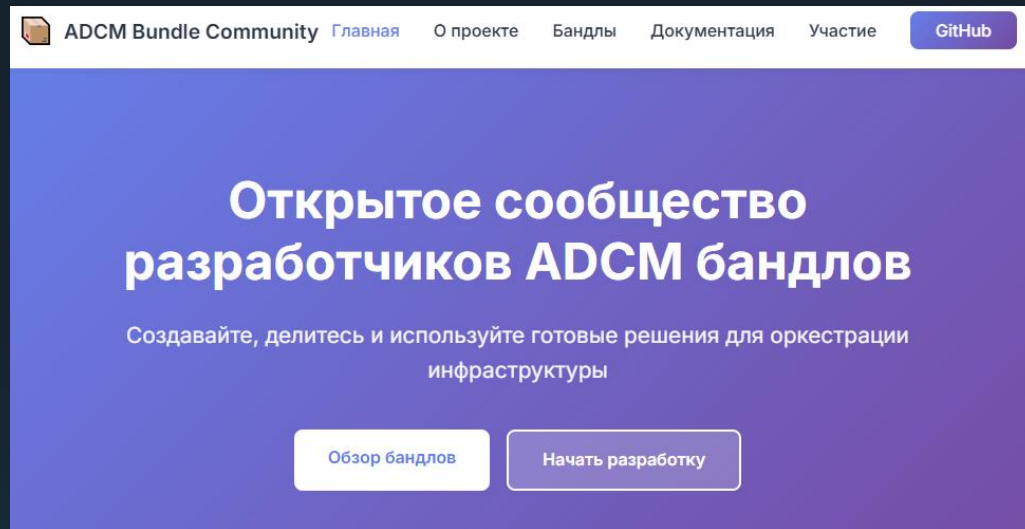
## 2 Повышение надежности и безопасности

- Соблюдение требований ИБ от заказчиков
- Устранение уязвимостей связанных с устаревшей версией Ansible
- Обновление версии Python

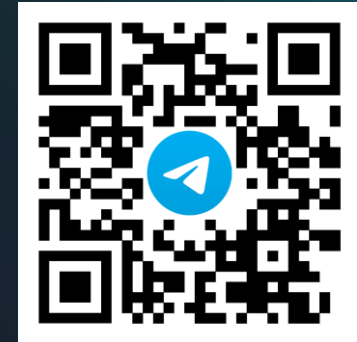
## 4 Рефакторинг

- Добавление функциональности в AIO клиент

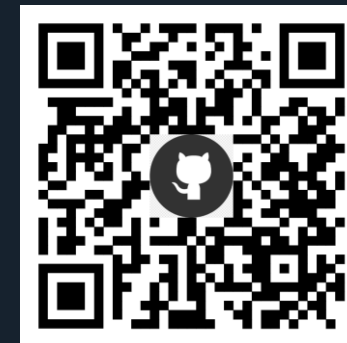
# Настоящий Open Source



ADCM  
Bundle Community



Telegram



GitHub

Поделитесь впечатлениями



Ваше мнение важно! Опрос займёт 2 мин

