

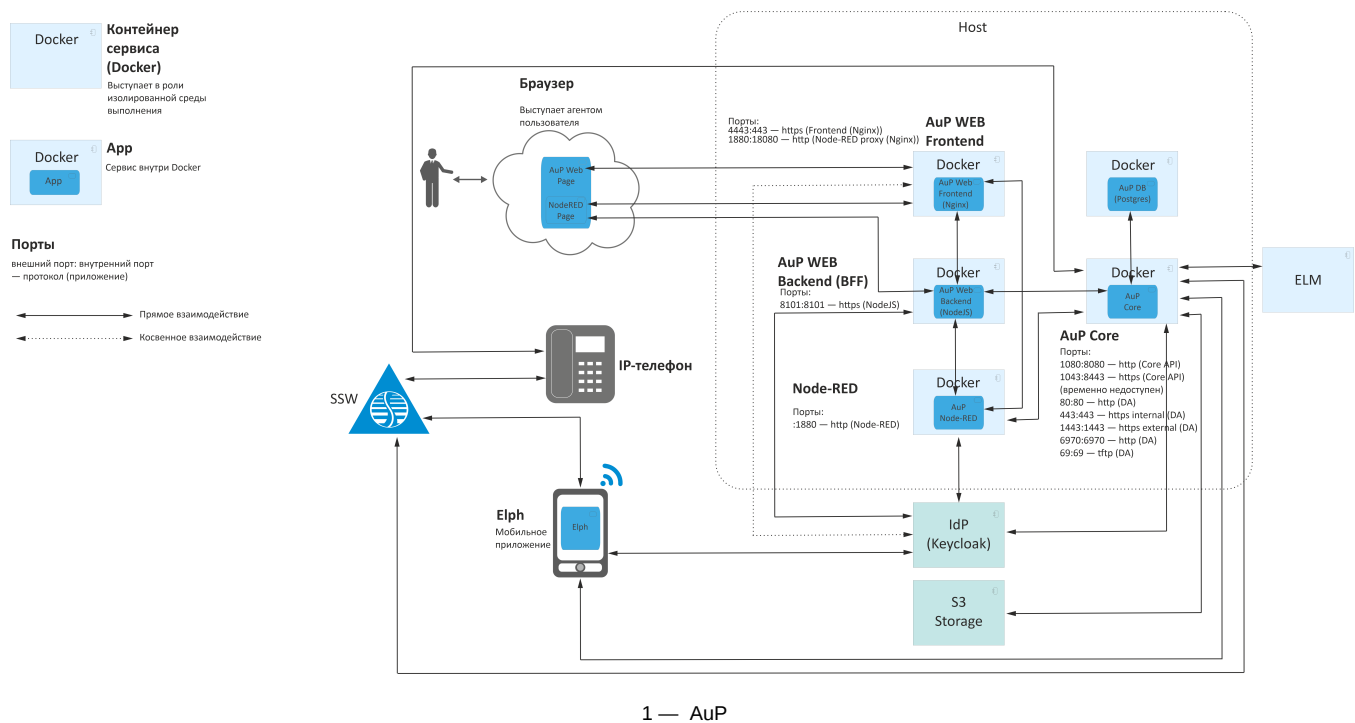
## 2.5. Autoprovision 2.5

(Autoprovision, . AuP) .

1.0, Docker-.

AuP , :

- **Core** — , , API- , , ECSS.
- **Device Adapter (DA)** — , , , :
  - **HTTP**;
  - **HTTPS**;
  - **TFTP** ( Cisco);
  - **WS/WSS/MQTT** — , , .
- **WEB Backend (BFF)** — , , Core.
- **Configuration Properties Graph (CPG/Node-RED)** — , .
- **WEB Frontend (- NginX)** — - CPG.
- **Identity Provider (IdP/Keycloak)** — , , , LDAP/AD. , , .
- **S3 Storage (Minio)** — , , AuP.



- —, " ".
- —, AuP.
- —, " (DRI)".
- **Device Registration Information (DRI)** — , Autoprovision, . (QR- ).
- **Device Registration Token (DRT)** — .
- — :
  - **(Configuration)** — , ;
  - **(Firmware)** — ;
  - **(Configuration and firmware)** — **Configuration, Firmware;**
  - **(Ignore)** — .
- — , .

```
{
  "ctx": {
    "device_uuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
    "device_ctx": {
      "account": [{

```

```

        "accountAdditionalInfo": {
            "sip_server_port": {
                "insertedAt": "2022-08-26 07:04:06",
                "key": "sip_server_port",
                "updatedAt": "2022-08-26 07:04:06",
                "uuid": "30e6a54e-2409-4812-ab46-928ed72b2b0b",
                "value": "5090"
            },
            "password": {
                "insertedAt": "2022-08-26 07:04:06",
                "key": "password",
                "updatedAt": "2022-08-26 07:04:06",
                "uuid": "22ddd7fe-aa80-4165-bc08-535b47efae69",
                "value": "123"
            }
        },
        "accountTag": {},
        "uuid": "76beb08e-2120-46dd-b983-c25aacd845d7"
    },
    "configuration": [{
        "deviceUuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
        "insertedAt": "2022-08-31 03:24:10",
        "updatedAt": "2022-08-31 03:24:10",
        "uuid": "c226fcbf-4e14-4ad1-9847-4d8afe93f9d2",
        "value": "{\"configuration\":{\"nodes_configuration\":{\"node\":\"\",\"properties\":[]}},\"prop_map\":{\"format\":\"v1\"}}",
        "deviceUuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
        "insertedAt": "2022-08-31 03:24:46",
        "updatedAt": "2022-08-31 03:24:46",
        "uuid": "dc887514-7e08-451d-8a7d-fbaf9578f4d5",
        "value": "{\"configuration\":{\"nodes_configuration\":{\"node\":\"\",\"properties\":[]}},\"prop_map\":{\"format\":\"v1\"}}",
        "descriptions": [],
        "deviceAdditionalInfo": {
            "device_adapter": {
                "deviceUuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
                "insertedAt": "2022-08-26 07:05:35",
                "key": "device_adapter",
                "updatedAt": "2022-08-26 07:05:35",
                "uuid": "77cf0314-c611-4cb4-aad2-5a96b8aaf0f4",
                "value": "ecss_aup_device_adapter"
            }
        },
        "deviceAlias": [
            {
                "deviceUuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
                "insertedAt": "2022-08-26 07:05:35",
                "ip": "192.168.116.167",
                "mac": "80:5e:c0:43:89:13",
                "updatedAt": "2022-08-26 07:05:35",
                "uuid": "a9b1d408-d285-4b25-99c1-753d7cabd1a4"
            }
        ],
        "deviceTag": {}
    },
    "fileRequest": [
        {
            "deviceUuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",

```

```

        "fileName": "/805ec0438913.boot",
        "fileRequestTags": [],
        "fileType": "ignore",
        "insertedAt": "2022-08-26 07:05:35",
        "lastRequestDatetime": "2022-09-05 04:35:12Z",
        "productionMethod": "{\"response\":{\"payload\":null,\"status\":403}}",
        "registerDatetime": "2022-04-28 08:23:26Z",
        "requestInfo": "{\"method\":\"GET\",\"scheme\":\"http\",\"tftp\"}",
        "updatedAt": "2022-09-05 04:35:19",
        "uuid": "e20bb7c5-63d0-4dfd-a6f6-2903707d9d41"
    },
    >----- ... -----
    -----<
    {
        "deviceUuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
        "fileName": "/firmware.rom",
        "fileRequestTags": [],
        "fileType": "firmware",
        "insertedAt": "2022-08-26 07:05:35",
        "lastRequestDatetime": "2022-08-26 07:03:51Z",
        "productionMethod": "{}",
        "registerDatetime": "2022-08-24 07:58:20Z",
        "requestInfo": "{\"method\":\"GET\",\"scheme\":\"http\"}",
        "updatedAt": "2022-08-26 07:05:35",
        "uuid": "76f157f9-cdee-445b-aa0f-8f45e3e6b454"
    },
    <----->
    "firmwareInfo":
    "53.84.14.7",
    "insertedAt": "2022-08-26 07:05:35",
    "lastRequestDatetime": "2022-09-05 04:35:12Z",
    "model": "SIP-
T19P_E2",
    "name": null,
    "provide":
    "U",
    -
    "registerDatetime": "2022-04-28 08:23:26Z",
    "type": "VOIP_PHONE",
    "updatedAt": "2022-09-05 04:35:19",
    "uuid": "0a24bfd8-c655-4a98-9ad1-b735bad3cf45",
    "vendor":
    "YealinkX",
    "virtual": false
    },
    "inject_payload": 1662352655267,
    "nodes_config": []
    }
}

```

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- — , . , .

: Ubuntu Server 20.04, ubuntu.

1000 :

| CPU   | RAM | HD          | NET |
|-------|-----|-------------|-----|
| 4 (8) | 8   | 64, SSD ( ) | 1 / |