



# OpenVox View

OpenVoxDB dashboard with some nice features

inspired by PuppetBoard

# Agenda

1. About me
2. Why OpenVox View?
3. Architecture
4. Features
5. Deployment
6. Live Demo
7. Coming Features



Hello, I'm Sebastian

# About me

I'm a Cloud Engineer working at ServiceERP

Maybe you know me as "Spritzgebaeck" on the internet

I'm a PMC member for 2.5 years and in my free time, I'm chairman of the hackerspace "Forschung und Technik e.V."

Sometimes I'm also streaming some development (also development on OpenVox View) on Twitch as "derkellernerd."

I'm happily married to a beautiful wife and we have an awesome daughter.

# Why OpenVox View?

- I had serious problems with deploying Puppetboard and its Python dependencies.
- System upgrades broke the Python components.
- There were some issues that needed a rewrite of some core functions.
- Puppetboard is a mix with server side rendered html and some frontend js ajax calls

# Architecture

- Backend written in Go
- Frontend written in Vue 3 (with Quasar Framework)
- Delivered as one binary.

# Features

The screenshot displays the OpenVox View web interface in a browser window. The address bar shows the URL `localhost:5000/ui/?#/node/crafty-testing.dns.podman`. The interface has a blue header with the OpenVox logo and the text "OpenVox View". On the right side of the header, it says "production" and "0.1.0".

**Left Sidebar:** A vertical menu with icons and labels for "Dashboard", "Facts", "Nodes", "Reports", "Views", "Inventory", "Cluster Nodes", and "Query".

**Main Content Area:**

- details** (blue header): A table with two columns: "Certname" and "crafty-testing.dns.podman". Below it, a table with two columns: "Facts", "Catalog", and "Report", each with a timestamp "07. Jul. 2025 - 20:39:49".
- reports** (blue header): A table with two columns: "end time" and "status". The "end time" column shows "07. Jul. 2025 - 20:39:49". The "status" column shows a green "UNCHANGED" button. Below the table, there are four colored buttons: red (0), green (0), blue (0), and grey (0). At the bottom, it says "Records per page: 100" and "1-10 of 10".
- facts** (blue header): A search bar labeled "search". Below it, a table with two columns: "Name" and "Value". The "Name" column shows "os". The "Value" column shows a JSON object: 

```
{
  "name": "Ubuntu",
  "distro": {
    "id": "Ubuntu",
    "release": {
      "full": "24.04",
      "major": "24.04"
    },
    "codename": "noble",
    "description": "Ubuntu 24.04.2 LTS"
  },
  "family": "Debian",
  "release": {
    "full": "24.04",
    "major": "24.04"
  },
  "selinux": {
    "enabled": false
  },
  "hostname": "06.64"
```

# Features

## Pre-defined Views

```
views:
- name: 'Inventory'
  facts:
    - name: 'Hostname'
      fact: 'trusted'
      renderer: 'hostname'
    - name: 'IP Address'
      fact: 'networking.ip'
    - name: 'OS'
      fact: 'os'
      renderer: 'os_name'
    - name: 'Kernel Version'
      fact: 'kernelrelease'
    - name: 'Puppet Version'
      fact: 'puppetversion'
```

The screenshot shows a web browser window with the URL `localhost:5000/ui/?#/view/inventory`. The application is titled "OpenVox View" and is in "production" mode with version "0.1.0". A sidebar on the left contains navigation links: Dashboard, Facts, Nodes, Reports, Views (selected), and Query. The main content area displays the "Inventory" view as a table with the following data:

Hostname	IP Address	OS	Kernel Version	Puppet Version
<a href="#">crafty-testing</a>	10.89.0.47	Ubuntu 24.04.2 LTS	6.12.33	8.19.2

At the bottom right of the table, it says "Records per page: 5" and "1-1 of 1".



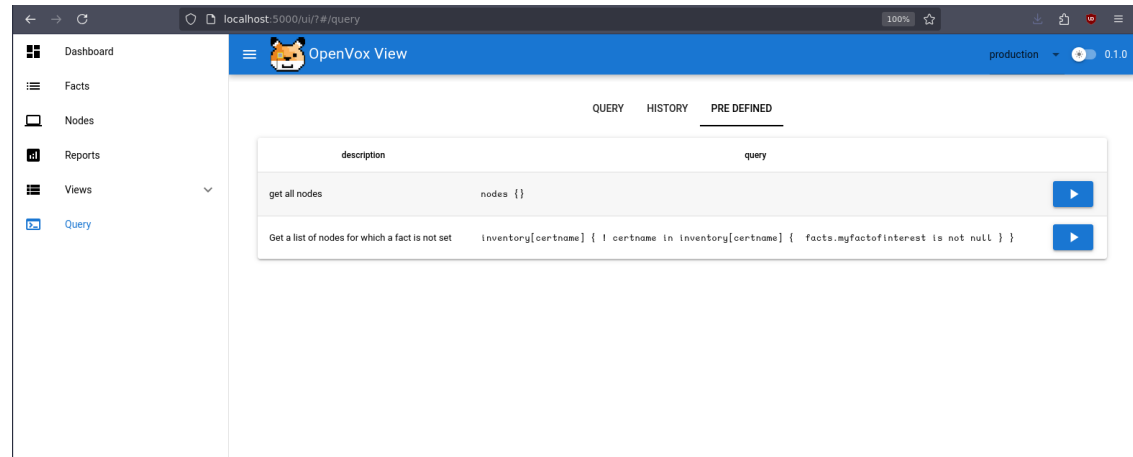
# Features

## Pre-defined Views

## Pre-defined Queries

queries:

- description: 'get all nodes'  
query: 'nodes {}'
- description: 'Get a list of nodes for which a fact is not  
query: 'inventory[certname] { ! certname in inventory[cer'

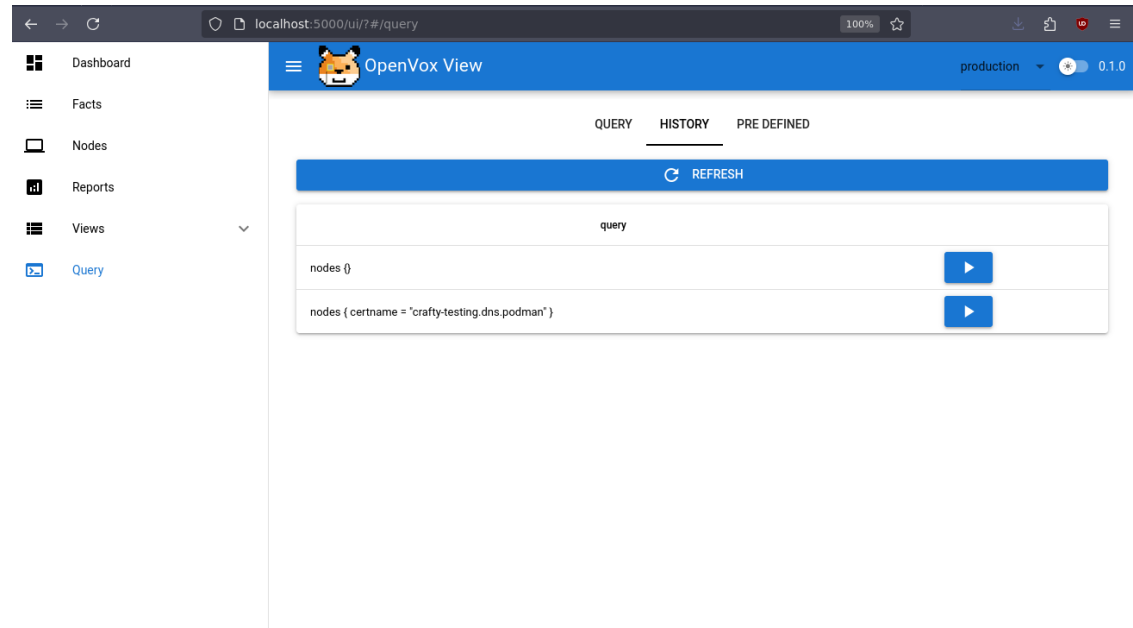


# Features

## Pre-defined Views

## Pre-defined Queries

## Query History



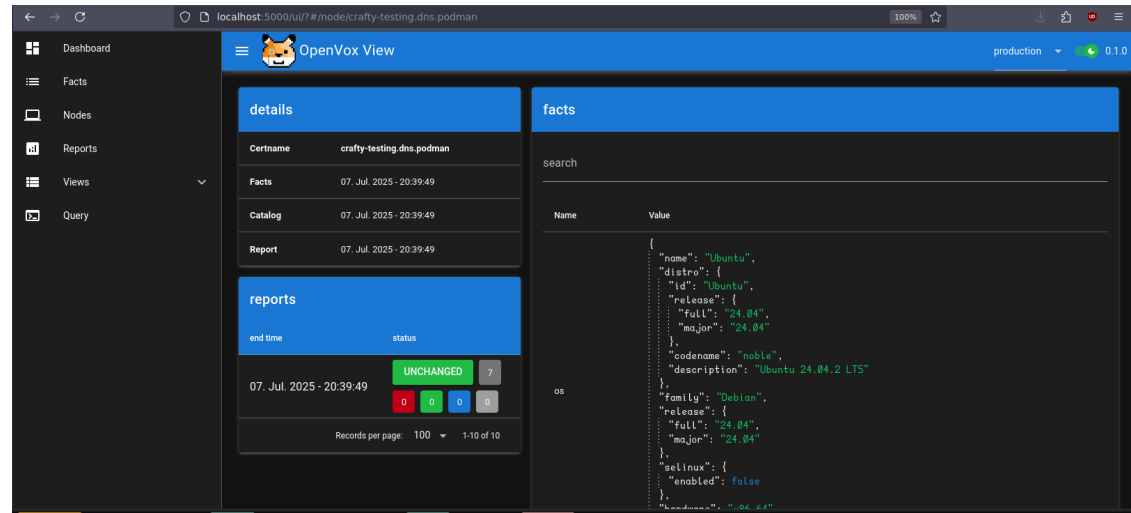
# Features

## Pre-defined Views

## Pre-defined Queries

## Query History

## Dark Mode



# Live Demo

Hopefully this works!

# Coming Features

- Authentication

# Coming Features

- Authentication

# Coming Features

- Authentication
- Provide Metrics

# Coming Features

- Authentication
- Provide Metrics
- Responsive



# Coming Features

- Authentication
- Provide Metrics
- Responsive
- Your Ideas!

# Thank You

Sources: <https://github.com/sebastianraket/openvoxview>

Slides: <https://github.com/sebastianraket/openvoxview-presentation>



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