



PostgreSQL Extension Ecosystem Mini-Summit



COMMUNITY ORGANIZING SUMMIT TOPICS

May 15 @ Noon EST/16:00 UTC

OPPORTUNITIES (NEW)

COMMUNITY OPPORTUNITIES

What are the community opportunities for the extension ecosystem?

Improved dev tools

Canonical registry

Easy publishing

Continuous Delivery

File-free installation

Documentation

File management

Improved metadata

Library Dependencies

Platform Dependencies

Build pipelines

Artifacts

Classification

Extension Types

Derived Services

Binary Packaging

Ratings & Reviews

Aggregated Stats

Smoke Testing

Security Scanning

Badging & Curation

The background of the slide features a subtle, abstract design composed of numerous overlapping, semi-transparent colored layers. These layers create a soft, blurred effect with a color palette that includes shades of light blue, teal, orange, yellow, and pink. The layers are more concentrated in the center of the frame, gradually thinning out towards the edges.

WHAT'S IMPORTANT TO YOU?

Canva Board

<https://tinyurl.com/3p264mme>

METADATA

Third-party dependencies

Types of extensions

Taxonomies

System requirements (OS, version, CPU, etc.)

Categorization

Versioning

SOURCE REGISTRY

Identity, namespacing, and uniqueness

Distributed vs. centralized publishing

Binary packaging and distribution patterns

Federated distribution

Services and tools to improve or build

Stats, Reports, Badging: (stars, reviews, comments, build & test matrix, etc.)

BINARY PACKAGING

Formats (e.g., tarball, OCI, RPM, wheel, etc.)

**Include dynamic libs in binary packaging format? (precedent:
Python wheel)**

Build farming

Platforms, architectures, and OSes

Security, trust, and verification

DEVELOPER TOOLING

Metadata management

Source scaffolding and templating

Packaging and Publishing

Build pipelines: PGXS, prgx, Rust, Go, Python, Ruby, Perl...

CI/CD Workflows

COMMUNITY

Identity

Infrastructure

Support

DOCUMENTATION

Creating, maintaining, and distributing extensions

How-Tos, tutorials, reference

Guides & Examples

CREATE EXTENSION

Hooks

Background workers

CLI apps/services

Web apps

Native apps

CORE

Second extension directory

Keep all files in a single directory

Documentation standard

Inline extensions: UNITs, PACKAGEs, TLEs, etc.

Minimizing restarts

Namespacing

Sandboxing, code signing, security, trust

Dynamic module loading (e.g., use Thing in PL/Perl loads from a table)

Binary compatibility of minor releases and/or /ABI stability

Canva Board

<https://tinyurl.com/3p264mme>

See you in Vancouver!



EXTENSION ECOSYSTEM SUMMIT

May 28 @ 2-5pm PDT @ PGConf.dev