PostgreSQL
Conference
Europe
2011
oct 18-21
Amsterdam
Hotel Casa 400

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Tracks

09:00-17:00 **UoA1** ★★☆

Performance From Start to Crash

by Greg Smith

This tutorial starts with an introduction to the most common setups tasks and best practices to get good performance from a PostgreSQL server. And by the end, you'll learn how to tune a PostgreSQL server the only way that matters some days: when the server performance problems are so bad it has crashed, and you have no idea what's wrong. This is a unique chance to see the habits and tools used by someone who faces that problem constantly, watching the repair of a live demo server that's crashed due to overload.

PostgreSQL is a database system that can deliver excellent performance for a wide variety of applications. But getting the performance related aspects of a new PostgreSQL deployment right can be stressful, particularly if you're new to the database and its quirks. The first part of this tutorial goes over the most common things new PostgreSQL installations do that sabotages their potential performance, and how to avoid making some of those mistakes

And when performance drops far enough, it's possible for the server to slow to where it's essentially down, or even crash altogether. Knowing what to do then is just as important, but it's hard to practice for that day.

Greg is going to login to a server that at the beginning is performing terribly. By the end, it will be running smoothly. You get to watch every step of the way, to see what change were made, and what information collected prompted them. One day, you may find your PostgreSQL database server is unresponsive or down due to performance issues. This session gives you a unique opportunity to prepare. Before it happens to you (again?), you can watch how an expert who does this exact type of support and consulting every day responds.

09:00-17:00 **UoA2** ★★☆

Mastering PostgreSQL Administration

by Bruce Momjian

This one day class covers all aspects of PostgreSQL administration, including installation, security, file structure, configuration, reporting, backup, daily maintenance, monitoring activity, disk space computations, and disaster recovery.

This three part presentation series covers all aspects of PostgreSQL administration, including installation, security, file structure, configuration, reporting, backup, daily maintenance, monitoring activity, disk space computations, and disaster recovery. It shows how to control host connectivity, configure the server, find the query being run by each session, and find the disk space used by each database.

09:00-12:30 UoA3 ★★☆

Building business applications for Cloud with Servoy

by Robert J.C. Ivens

In this class you will learn how to develop applications that can be deployed to the cloud or on premises with the OpenSource platform Servoy.

Servoy is Java based but you never have to program in Java unless you want to. In fact Servoy is so easy to learn that the only requirement for attending this course is that you have programmed in any 3GL or 4GL (Visual Basic, FoxPro, Delphi, php, uniface, etc).

We will start with an overview of the Servoy development and hands-on build a small application that can be deployed to the cloud.

13:30-17:00 UoA3 ★★☆

Slony, still a useful replication tool

by Guillaume Lelarge

The training will start with a quick overview of Slony's features and its community. Then, we'll move to the installation and configuration of Slony. That will allow us to see it working, which we'll bring us to talk about the administration tasks it involves.

09:00-12:30 **UoA4** ★★☆

Streaming replication, hot standby and synchronous replication

by Magnus Hagander

PostgreSQL 9.0 added streaming binary replication and Hot Standby, and PostgreSQL 9.1 adds the ability to make this synchronous for even more security.

This session will start with a recap of the existing Warm Standby technology, and then move on to the changes in 9.0 for building both Warm and Hot standby solutions, and finally look at the improvements to this in 9.1 as well as the new synchronous functionality.

13:30-17:00 **UoA4** ★★☆

Hands-On with PostGIS

by Vincent Picavet

This half-day workshop aims at discovering PostGIS, the spatial database extension to PostgreSQL, with a hands-on orientation. Learn to install everything you need, discover new spatial data types and load spatial data into your database. Then you'll be ready to use the powerful PostGIS spatial processing functions to discover the wide range of applications this tool can enable. Focus on performances with spatial indexing and spatial joins, then mix spatial data with custom classic data for analysis. Spatial is nothing without visualization, and this workshop also shows you how to use Quantum GIS to create maps, visualize and manage dynamic data. To conclude, an explanation on the special place of PostGIS in modern geographical information systems will be given, with an emphasis on building lightweight and modular software stacks for web and desktop GIS, analysis or representation, and standardized data exchange.

11:10-12:00 **UoA1** ★★☆ DBA

Improving VACUUM Suction

by Greg Smith

PostgreSQL's transaction visibility model has one major downside. Every block written to the database has to be revisited and rewritten at least once, to perform multiple types of visibility cleanup. Those writes are even more frequent if older items are regularly updated or deleted from the database.PostgreSQL's ts are regularly updated or deleted from the database.PostgreSQL's t

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Friday

Bruce Momjian

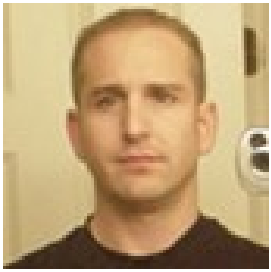
www.momjian.us

Co-founder of the PostgreSQL Global Development Group, and has worked on PostgreSQL since 1996. He is the author of PostgreSQL: Introduction and Concepts, published by Addison-Wesley. Bruce is employed by

Jean-Paul Argudo

@jpargudo

Jean-Paul promotes Free Software since 2000 and takes actively part in the PostgreSQL community. He created the french-speaking PostgreSQL website.This was the first step in creating a french-speaking community, in which he



Jon Erdman

blah@test.foo

Jon Erdman began using Postgres heavily around the release of 7.4 as a backend for a medical billing company called Progressive Practice. He has since worked as a Postgres DBA first at BlueTie, then Rackspace. He is currently working as a Senior Database

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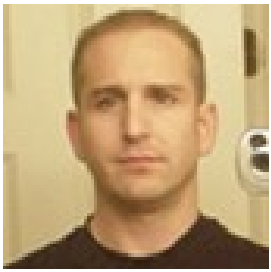

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Speakers

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Social event

Map

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