



Sproc Talk

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Welcome!

So what's going on here, anyway?

- We're going to talk about how the Polaris database works
- Specifically, we're going to talk about stored procedures
 - Yes, it *will* be thrilling, dammit
- You may want to know a little about
 - T-SQL and how to use Microsoft SQL Server
 - Writing SQL queries

Let me save you some time!

Everybody loves a QR code



cyberpunklibrarian.com/iug2026

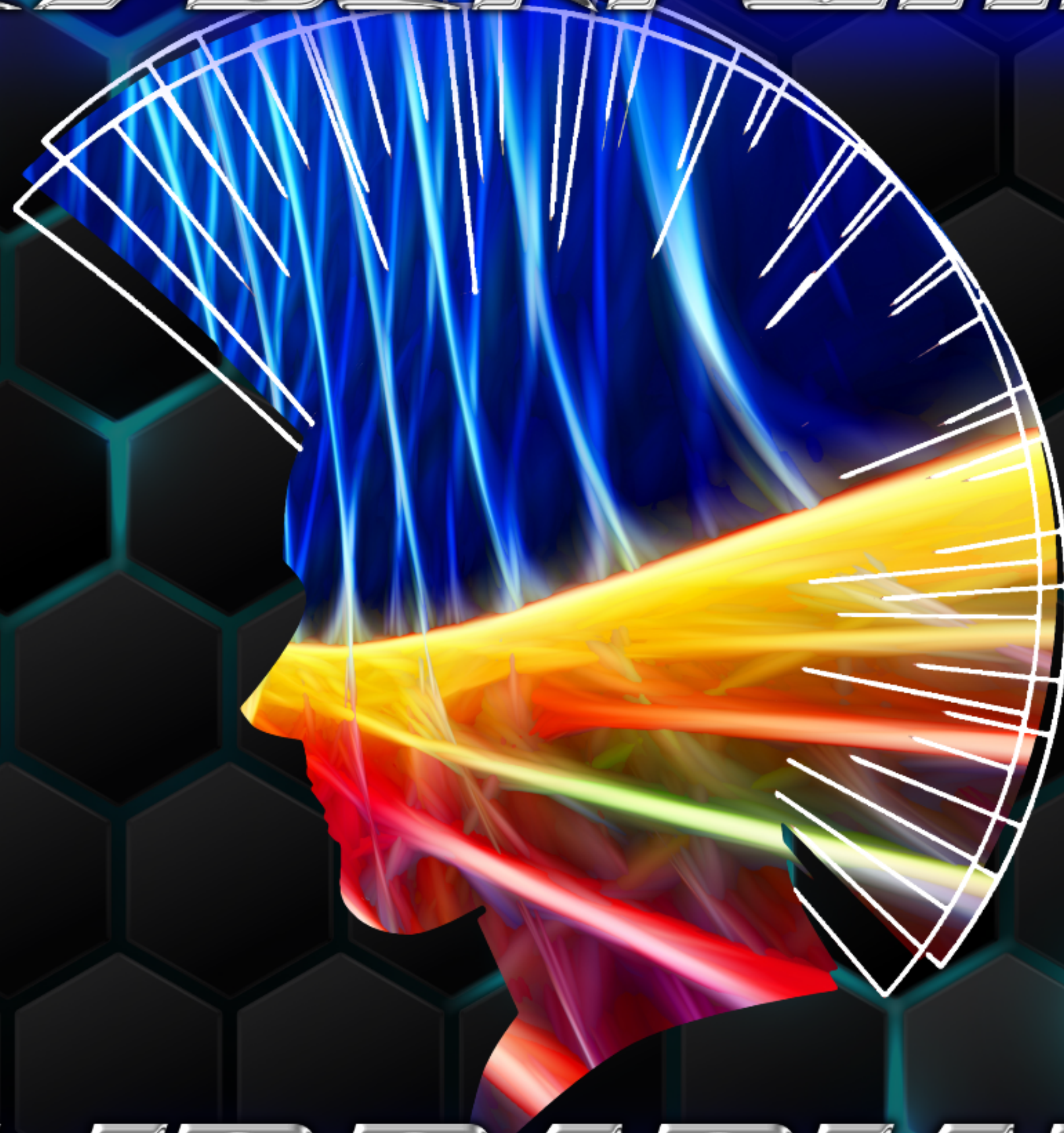
Hello, I'm Dan

Who is this guy, anyway?

- Steering Committee: Member-at-Large
- Worked in/with libraries for 30 years
- Polaris user since it was in beta (circa 1999)
- Polaris ILS Admin and DBA for LS&S
- Author of *Bricks Without Clay*



CYBERPUNK



LIBRARIAN

STORED PROCEDURES!

OMG CAN YOU IMAGINE?!

- Sometimes, we call these sprocs for short
 - (I almost always call them sprocs)
- What are they?
- What do they do?
- Why are they critical to Polaris?

BUT WAIT! THERE'S MORE!

Call within the next twenty minutes...

- How to make your own stored procedures
 - And why you might want to
- And you know what that means, right?



WE'RE GONNA GO LIVE!
On a real Polaris server with real sprocs!

What do we talk about when we talk about sprocs?

Let's begin at the beginning

- What is a sproc?
 - Shortening and contraction of the words Stored Procedure
- Great! What's a stored procedure?
 - SQL queries prepared in advance and you can call them as needed
- A way to save your query to the database itself

Fox in Sprocs

Yes, there will be more rhymes later

- Sprocs allow for consistency
- You can execute the procedure at will in lots of ways
 - Manually
 - Within another query
 - In database jobs
 - Within reports
- Simple or complex - they're whatever you need them to be
- And you can pass parameters to them, so they're flexible too!

Polaris and Sprocs

They are everywhere

- Polaris is a friendly front end for Microsoft SQL Server
- Almost anything you do in Polaris triggers one or more sprocs

ALWAYS HAS BEEN.

WAIT, IT'S ALL SPROCS?

Polaris and Sprocs

They are everywhere

- Polaris is a friendly front end for Microsoft SQL Server
- Almost anything you do in Polaris triggers one or more sprocs
- There are over 4,500 stored procedures in the Polaris database
 - And we're gonna look at *all of them!*

Sprocs Move the World

The world runs on Excel and sprocs

- If you hit Enter
- If you click a button
- If you search for, open, modify, and save a record
- Even when you log in...
- You execute a sproc
- No literally, the login sproc is called `Polaris.Polaris.ILS_LoginUser`
- Which brings us to our next point

Where do you keep the sprocs around here?

Sprocs for blocks!

- For the Polaris stored procedures
 - Databases -> Polaris -> Programmability -> Stored Procedures
- And when you expand that Stored Procedures folder, that's gonna take a second or two to populate
 - Did I mention there are lots of sprocs?

Let's gawk at sprocs

The rhymes will continue until morale improves

- Organization - Librarians love that stuff
 - Acq - Acquisitions
 - Cat - Cataloguing
 - Circ - Circulation
 - PAC - PowerPAC
 - Rpt - Reporting
 - SA - System Admin

Groking sprocs

No, not that Grok

