

I'm It - Survival Techniques for the Lone DBA



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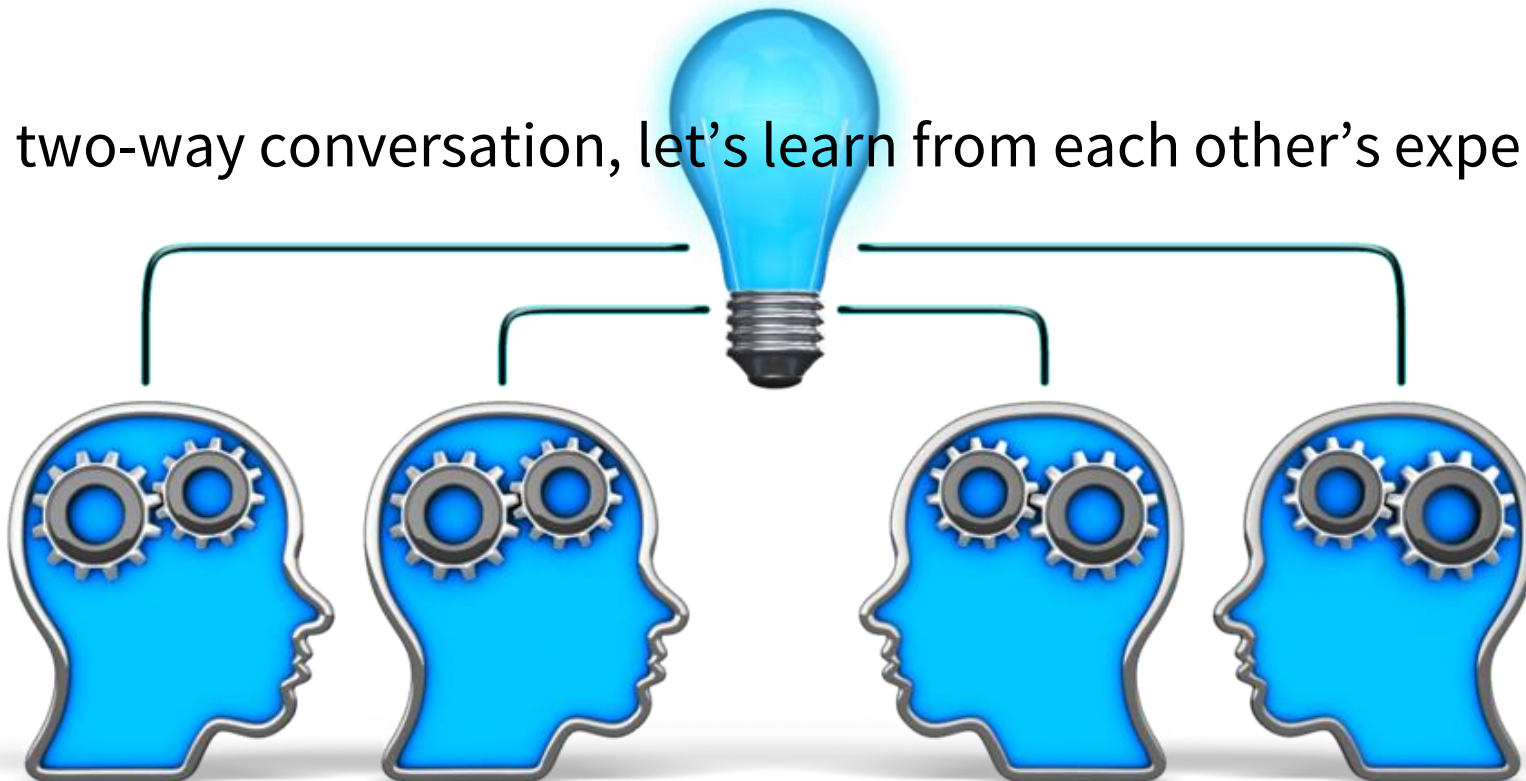


Presentation Rules

Always ask questions

Interrupt me

This is a two-way conversation, let's learn from each other's experiences



Topics

I'm It!

Master of None

How to Use Outside Resources

Get a Second Set of Eyes

Managing Company
Expectations

Life Balance Struggles

Admit You Can't Do Everything

Monkey Instructions

Document Code

Avoid Customizations

Be an Octopus

See it's Not So Bad!

Homework!

I'm It!

Lone DBA for 16 years

My Environments

Port of Virginia

56 SQL Instances, 40 Servers, 2 Oracle

Massimo Zanetti

16 Instances, 15 Servers, 1 Oracle

My Knowledge Base

Everything But The Kitchen Sink





Master of None

Create Broad Skill Set

Self Teach

Virtual Conferences

Virtual User Groups

SQL Saturday's

PASS Summit

Learn Only What You Need

Being a Master of Anything
is Impossible

Learn to Accept Not
Knowing Everything

How to Use Outside Resources

Power of Social Media

Twitter & Slack & Linked In
sqlcommunity.slack.com

How To Start & Build Your Name

One DBA = Thousands of Co-workers

#SQLHelp



How to Use Outside Resources Blogs

Denny Cherry & Associates -
<https://www.dcac.co/syndication>

SQL Server Central -
<http://www.sqlservercentral.com/blogs/>

SQL Skills - <http://www.sqlskills.com/blogs>

SQLBlog.com- <http://sqlblog.com/blogs/default.aspx>

Thomas LaRock's Rockstar Bloggers
<http://thomaslarock.com/rankings/>



How to Use Outside Resources

Resource Sites

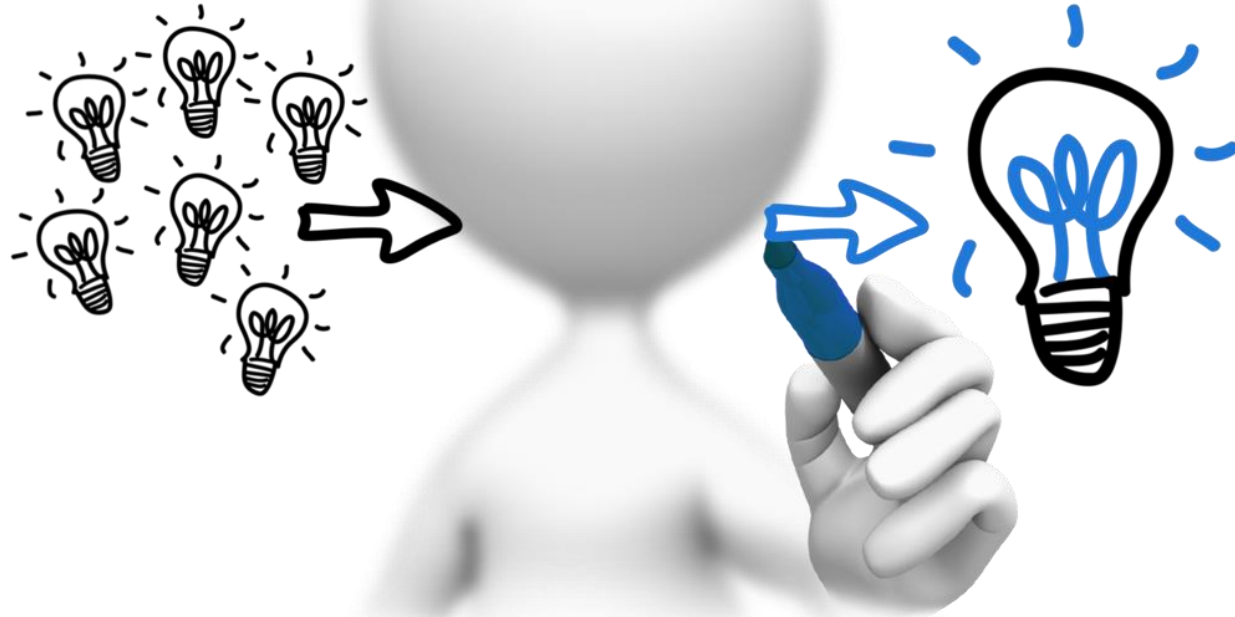
JUST GOOGLE IT! (but don't blindly trust it)

SQL Server Central -
<http://www.sqlservercentral.com/>

DBA Exchange Stack -
<http://dba.stackexchange.com/>

MSSQL Tips - <https://www.mssqltips.com/>





Get a Second Set of Eyes

Get Some “Go To” Experts
How To Find Them
Start Building Your Network
Get Involved in Community

Experts in Each Specialty
Internals
Storage
PoSh
Disaster Recovery
Performance Tuning
Code Reviewers
Brain Storming

Managing Company Expectations



Work Load Management

Don't Let Them Burn You Out

Make Them Train You & Get Tools You Need

Use Your Boss as a “Shield”

Life Balance Struggles

You're Always On Call

Vacation What's That?

Make Sure Your Boss is Aware of Your Time

Ask For Flex Time

Ask to Work Remotely from Time to Time





Admit You Can't Do Everything

Hire Consultants

Frees Your Plate Up

Give Them Tedious Work

Give Them Big Projects

Doesn't Mean You Can't Do The Work

Your "In House" Knowledge is Your Safety Net

Gotcha's

Giving Up Stuff You Love Doing

Handholding the Consultants

Monkey Instructions

Make a Hit-By-a-Bus Handbook

Step by Step Instructions

Diagrams

Plain English

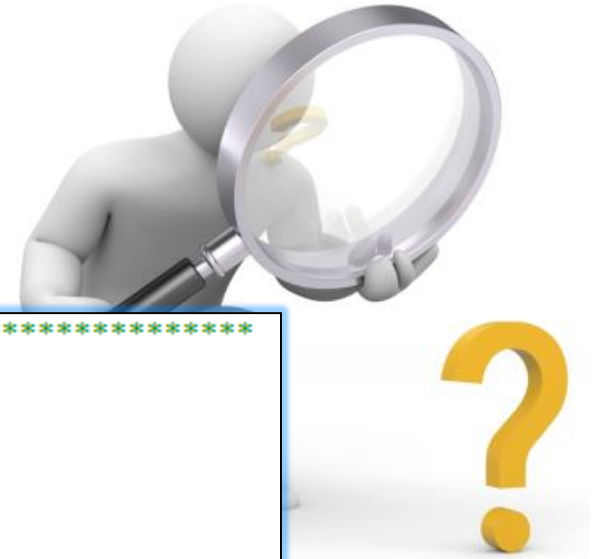
Share Your Knowledge

Don't Build in Job Security

New Notebooks in Azure Data Studio



Document Your Code



```

/*****
Name:
Programmer:
Date Created:
Description:
Called By:  Reports-
           Applications-
           Jobs-
Parameters:
Tables Used:
Run:

Modifications:
Date:          Ticket          Programmer:          Desc:

*****/

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What It Does

What Calls It

Why It Was Created



Avoid Customizations

Implement Techniques Widely Used in Database Community

Glenn Berry's Scripts for Performance

<https://www.sqlskills.com/blogs/glenn/category/dm-v-queries/>

Ola Hallengren's Scripts for Indexes

<https://ola.hallengren.com/>

Brent Ozar's sql_blitz for SQL Health

<http://www.brentozar.com/first-aid/>

Don't Bake Your Own Monitoring Tools!

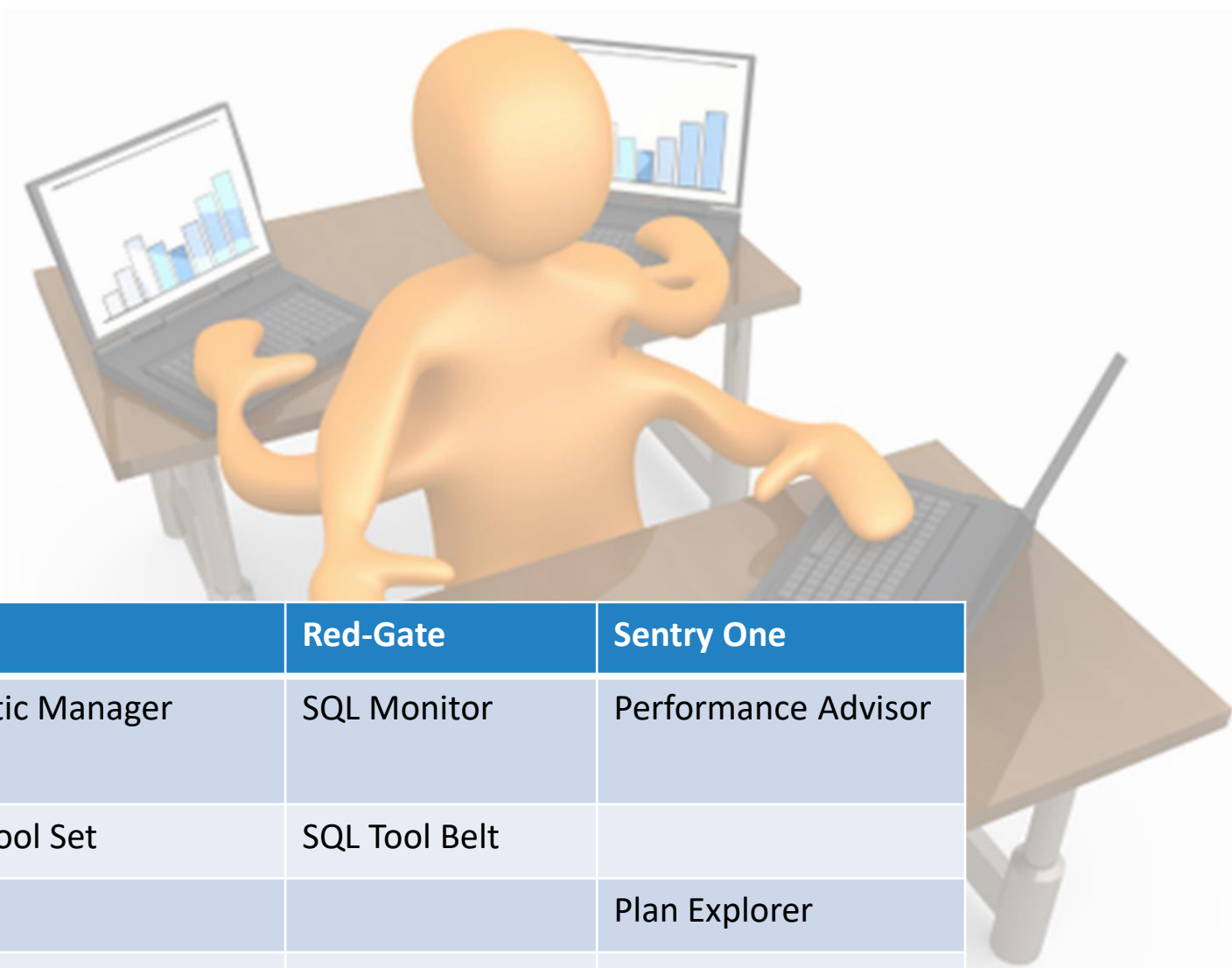
Be an Octopus

Multitasking is Key

Stay Organized

Be Flexible

Use SQL Tools as Extra Arms



Use	Idera	Red-Gate	Sentry One
Monitoring	Diagnostic Manager	SQL Monitor	Performance Advisor
Admin Work	Admin Tool Set	SQL Tool Belt	
Performance Tuning			Plan Explorer
Health Overviews	SQL Doctor		
Scripting & Code		SQL Prompt	
Comparisons	Comparison Tool Set	SQL Compare	
Backup & Restores	Virtual Database		

Admin Tool Set, Virtual DB, SQL Doctor

Idera SQL doctor
Analyze. Diagnose. Fix.

Wednesday, January 18, 2012 9:39 AM

All Servers | Analysis History

SERVER_1
Previous Analysis Information
Analysis type: General Health Check
Started on: Mon, Jan 16, 2012 1:40:51 PM
Duration: 00h 04m 07s
Recommendation Summary
Category: All (40)
Disaster Recovery (39)
Database Configuration (1)
Estimated Priority: [Progress Bar]

SERVER_2
Previous Analysis Information
Analysis type: General Health Check
Started on: Tue, Jan 17, 2012 1:14:12 PM
Duration: 00h 05m 17s
Recommendation Summary
Category: All (414)
Processor (2)
Blocking Processes (1)
Index Optimization (258)
Estimated Priority: [Progress Bar]

SERVER_3
Previous Analysis Information
Analysis type: General Health Check
Started on: Mon, Jan 16, 2012 2:10:06 PM
Duration: 00h 25m 11s
Recommendation Summary
Category: All (1338)
Disk (15)
Processor (1)
Index Optimization (671)
Blocking Processes (2)
Estimated Priority: [Progress Bar]

SERVER_4
Previous Analysis Information
Analysis type: General Health Check
Started on: Mon, Jan 16, 2012 4:47:02 PM
Duration: 00h 01m 06s
Recommendation Summary
Category: All (2)
Memory (2)
Estimated Priority: [Progress Bar]

SERVER_5
Previous Analysis Information
Analysis type: General Health Check
Started on: Tue, Jan 17, 2012 5:00:33 PM
Duration: 00h 02m 21s
Recommendation Summary
Category: All (0)
Estimated Priority: [Progress Bar]

SERVER_6
Previous Analysis Information
Analysis type: General Health Check
Started on: Mon, Jan 16, 2012 9:09:38 AM
Duration: 00h 03m 31s
Recommendation Summary
Category: All (508)
Memory (7)
Disk (8)
Disaster Recovery (123)
Processor (2)
Estimated Priority: [Progress Bar]

IDERA
NEVER. SLOW. DOWN.

SQL virtual database
Access data in SQL Server backup files without restoring

Welcome!

Welcome to Idera SQL virtual database, a powerful new patent-pending technology that lets you interact with SQL Server backup files as though they were live databases!

Getting started is easy!
Simply select 'Attach Full Backup' or 'Attach Multiple Backups' from the menu on the right hand side.

After the files are attached, you can use any native or third-party tool to access the database.

It's that easy!

- Attach Full Backup**
Create a virtual database from a full backup
- Attach Multiple Backups**
Create a virtual database up to an exact point in time
- Run Queries**
Access your virtual database using SQL Server Management Studio.
- Tips & Tricks**
Get tips and tricks about using your virtual database
- Help & More**
Change your product setup, access online Help, and more!

Launchpad
File Tools Help

Idera SQL admin toolset
Incredibly useful tools for SQL Server people

Diagnostics

- Backup Status**
Check whether your databases are backed up
- SQL Search**
Search for text anywhere you have SQL code (stored procs, functions, triggers etc)
- Object Search**
Find objects by name anywhere they are hiding in your SQL Servers
- SQL Discovery**
Find the SQL Servers lurking on your network
- Password Checker**
Check the strength of your SQL Server passwords
- Connection Check**
Check common issues surrounding SQL Server connectivity problems

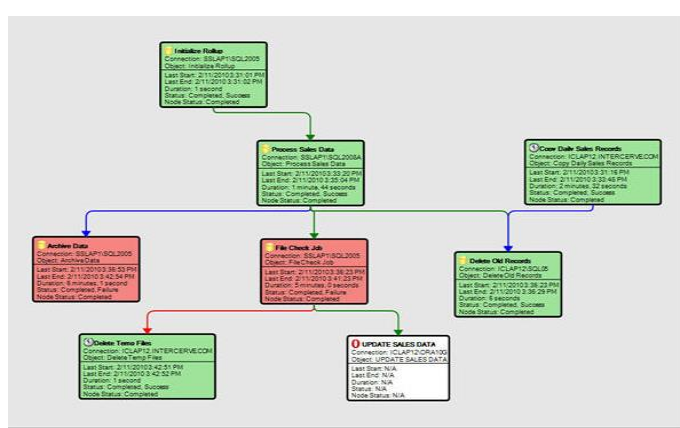
Administration

- Multi Query**
Execute and manage queries across multiple SQL Servers
- Database Mover**
Move or copy databases and their associated logins within or between SQL Servers
- Login Copy**
Copy server logins from one SQL Server to another
- User Clone**
Create a new SQL Server login using an existing login as a template
- Job Mover**
Move and copy jobs between SQL Servers
- Job Editor**
View and edit jobs across multiple SQL Servers
- Quick Reindex**
Review fragmentation levels and rebuild the indexes on your SQL Servers
- Server Configuration**
Compare and update the server configuration for one or more SQL Servers
- Database Configuration**
Compare and update the configuration for one or more databases
- Partition Generator**
Examine existing partition information and generate new partitions
- Connection String**
Create connection strings easily by picking and choosing from the available options
- Linked Server Copy**
Copy linked servers from one SQL Server to another

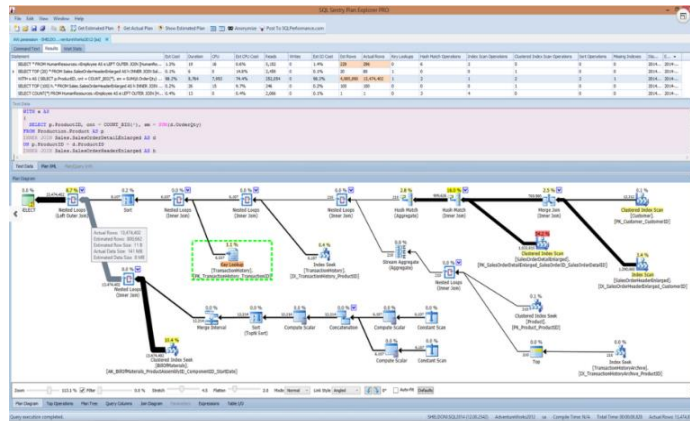
Analytics

- Inventory Reporter**
List and report on important computer and SQL Server configuration information
- Patch Analyzer**
Find out if your SQL Servers are up to date with the latest available patches
- Index Analyzer**
View and analyze statistics for your columns and indexes
- Space Analyzer**
Analyze the space usage of your SQL Server by drive or database
- Server Statistics**
View statistics and counts about your SQL Servers
- Server Ping**
Continuously monitor the status and availability of your SQL Servers

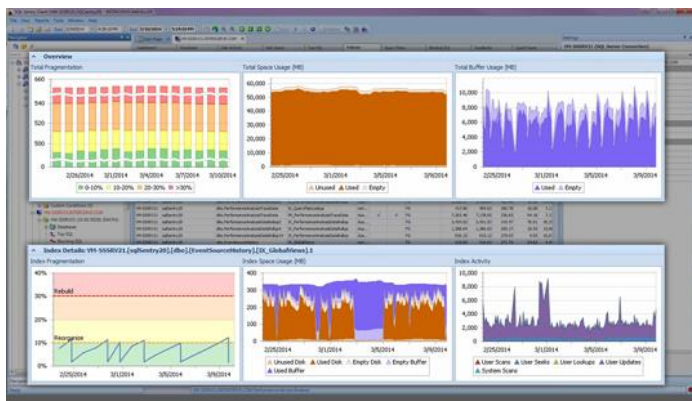
Edit SQL admin toolset Options... | Manage Server Groups... | SQL admin toolset Help



SentryOne™



Performance Advisor, Fragmentation Manager, Job Chaining & Plan Explorer



SQL Tool-belt, SQL Prompt & SQL Compare

redgate
ingeniously simple tools



[SQL Source Control](#)



[SQL Compare Pro](#)



[SQL Data Compare Pro](#)



[SQL Prompt](#)



[SQL Data Generator](#)



[SQL Dependency Tracker](#)



[SQL Backup Pro](#)



[SQL Monitor](#)



[SQL Search](#)



[SQL Doc](#)



[SQL Multi Script Unlimited](#)



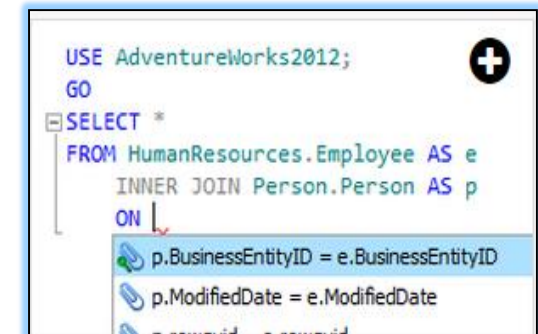
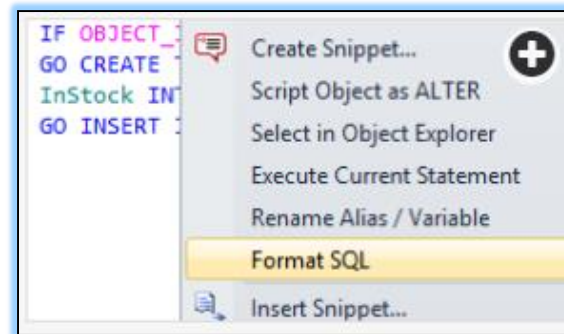
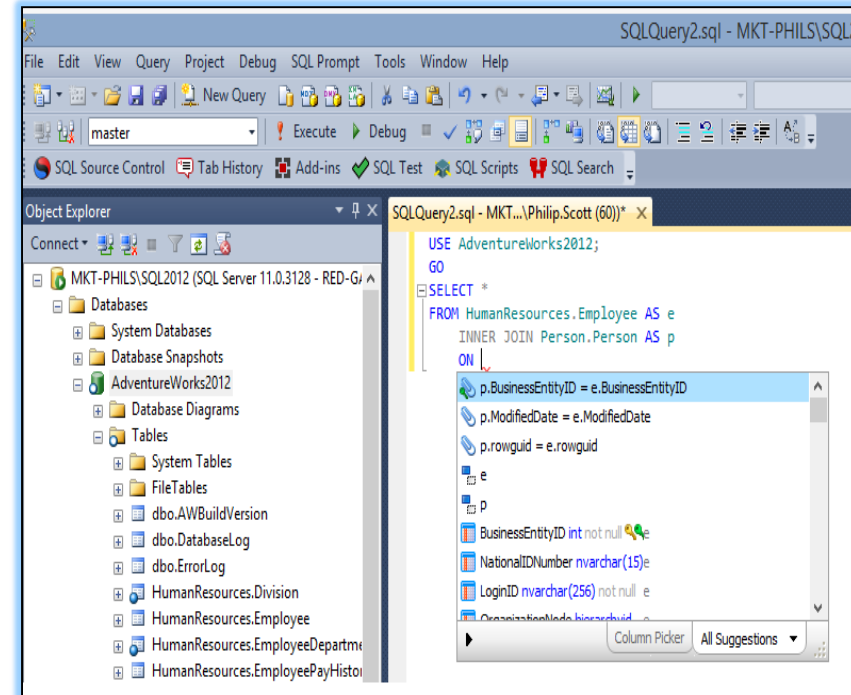
[SQL Test](#)



[SQL Comparison SDK](#)



[DLM Dashboard](#)





No Budget, Use the Free Tools

Sentry One Plan Explorer - PRO NOW FREE!

<http://www.sqlsentry.com/products/plan-explorer/sql-server-query-view>

Redgate SQL Search

<http://www.red-gate.com/products/free-tools>

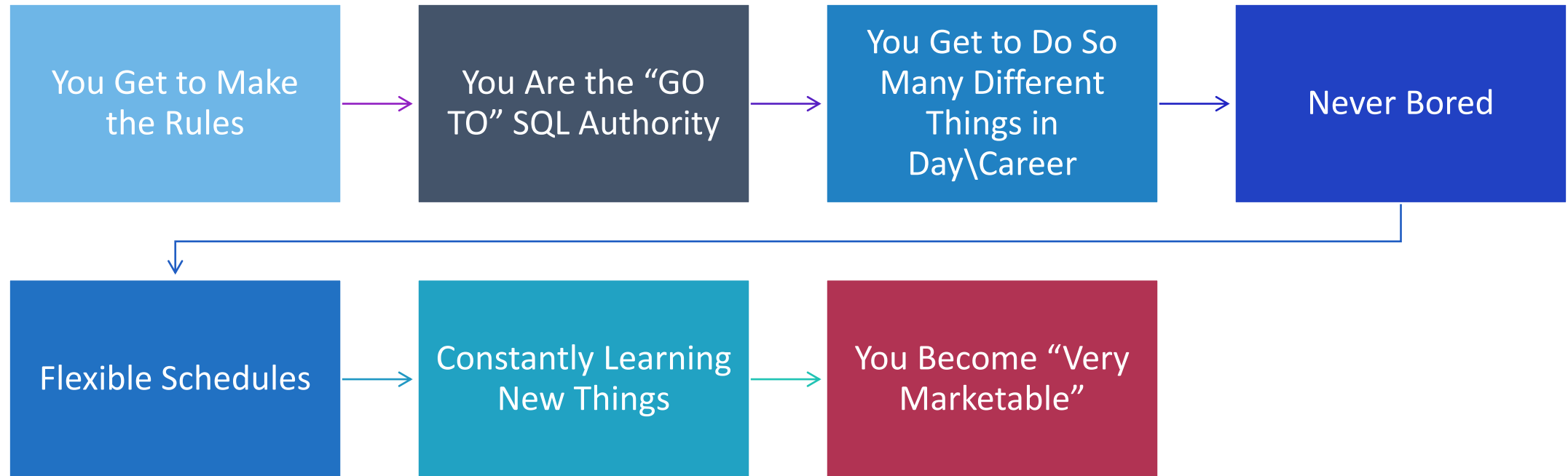
Brent Ozar's First Aid Kit

<http://www.brentozar.com/first-aid/sql-server-downloads>

Adam Machanic's sp_whoisactive

<http://whoisactive.com/downloads/>

See it's Not So Bad!



Home Work!

Start to Build Your Survival Kit



Get a Twitter Account
“SQL Guru’s” List

Get Some SQL Tools
Free Tools

Start Documenting

Network! Network!
Network!

SUMMIT
SQL Saturdays
User Groups

Thank You For Coming

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Denny Cherry
& Associates Consulting

Your Data, Our Expertise
www.dcac.com