## "metacoda"

# Metadata: A life-sustaining liquid for the SAS® Intelligence Platform

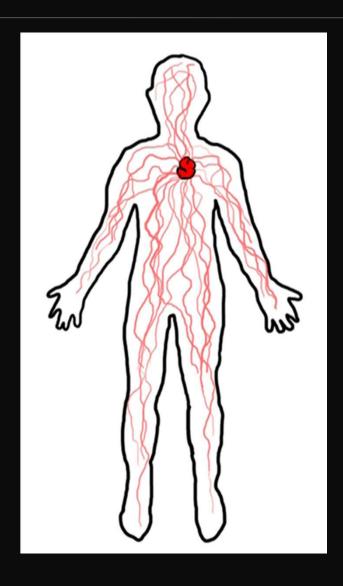
Michelle Homes
WASUP – 25JUN2013

productivity through metadata visibility "///





## Blood



...An essential, lifesustaining liquid,
carries oxygen,
nutrients and
defences through
the entire body.





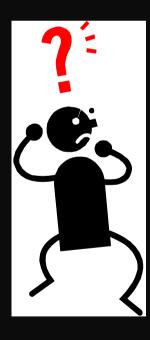
## Your body relies on blood to survive!





## Metadata

## Does your organisation rely on metadata to survive?





## Agenda

- Metadata what is it?
- Metadata with SAS Software
- SAS metadata the blood
- SAS metadata server the heart
- SAS Intelligence Platform the body
- Vitality of metadata lifecycle of business & technical metadata
- Metadata management and maintenance



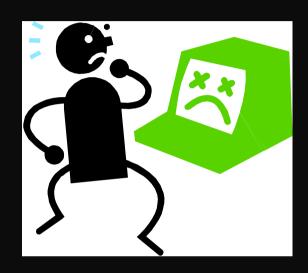
## Metadata – what is it?

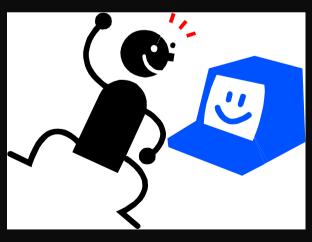
- "Data about Data"
- Business definitions
  - calculations, banding rules, indicators etc
- Technical definitions
  - Data sources, data transformations, data views, data flows, jobs, programs, reports etc
- Environment definitions
  - Users, groups, servers, scheduling etc
- Your organisations Intellectual Property!



## Metadata with SAS Software

- Prior to SAS version 9
  - Dictionary tables –
    metadata on libraries,
    tables, columns,
    options, macro variables
- With SAS version 9
  - Metadata repository storing and managing enterprise metadata





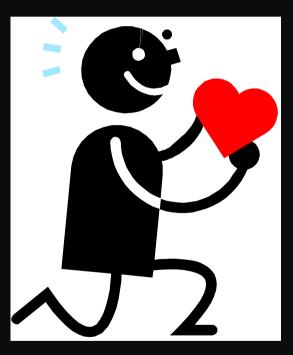


## SAS Metadata

- SAS Metadata repository stores information about:
  - Enterprise data sources and data structures
  - Content created and used by SAS applications
  - SAS and third-party servers
  - Users and groups who are allowed to use the system
  - Levels of access that users and groups have to resources



### SAS metadata server – the heart



- Provides access to a central repository of metadata
- Exchanges metadata with SAS applications
- Ensures access to consistent and accurate data
- Interoperable and open



## SAS Intelligence Platform – the body

Server

### **MIDDLE TIER**

SAS Information Delivery Portal Metadata

SAS Web Report Studio

SAS Stored Process Web App

. . .

#### **DATA TIER**

SAS data sets RDBS tables SAS SPD files SAS OLAP Cubes

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#### **CLIENT TIER**

SAS Add-In for Microsoft Office SAS Information Map Studio SAS Data Integration Studio SAS Enterprise Guide

..

#### **SERVER TIER**

Workspace Server OLAP Server Stored Process Server Object Spawner ...



## Vitality of metadata

- Metadata provides a means for both the technical documentation of data and the business communication of its meaning.
- Management and Maintenance?
  - Reporting (auditing/governance)
  - Change to business rules, processes
  - Staff changes and access
  - Backups/Disaster Recovery
     http://platformadmin.com/blogs/paul/2011/10/sas93-metadata-backups





## Metadata management & maintenance



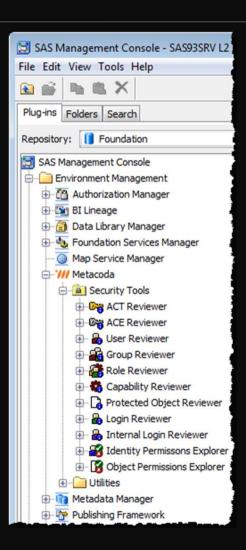
- SAS Applications including:
  - SAS Management Console
  - SAS Data Integration Studio
  - SAS Web Report Studio etc
- Metadata Browser
- Custom metadata reporting
  - proc metadata, XML, macros etc
- Third-party software e.g. Metacoda





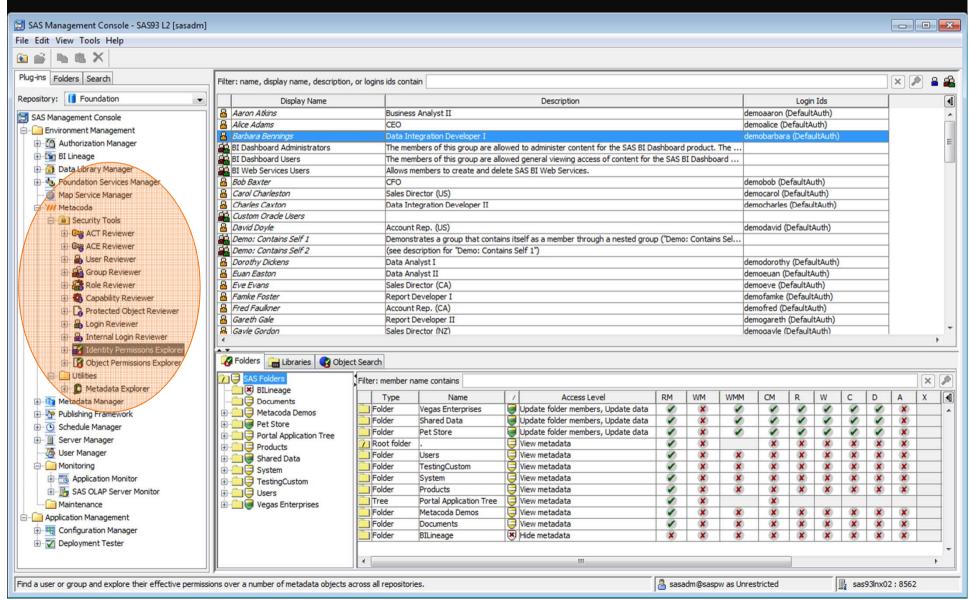
## **About Metacoda**

- SAS Alliance Silver Member
- Provide add-ons to SAS<sup>®</sup> Software for enhanced metadata visibility and exploitation
  - Metacoda Security Plug-ins
  - Metacoda Commutual
  - Custom Tasks (SAS Enterprise Guide)
- Goals:
  - Improve your productivity through enhanced metadata visibility





## Metacoda Security Plug-ins





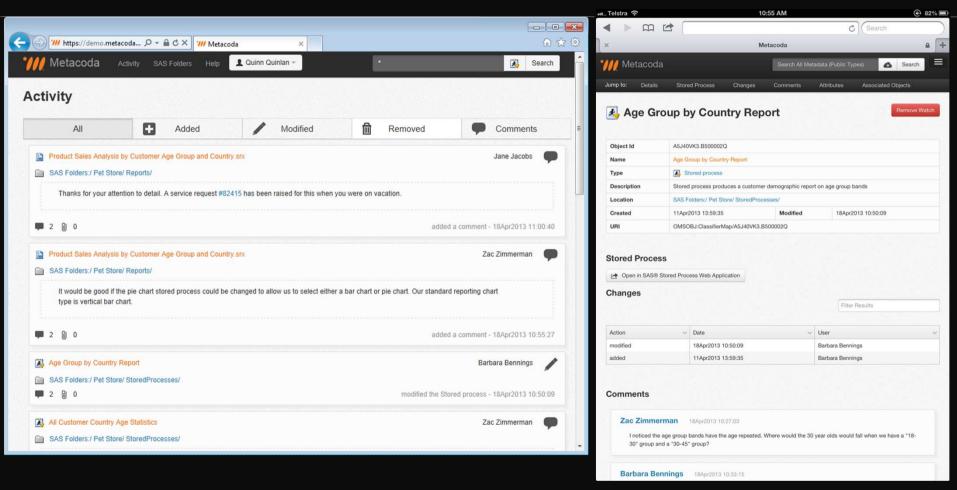
## Metacoda Commutual

Search and collaborate on business and technical metadata within SAS platform installations:

- Activity: get notified about changes & discussions
- Search: find the items you want & register your interest
- Discussions: share your knowledge & learn from others
- Easy Access: get easy access from anywhere
- Performance: find what you need, when you want it, fast
- Security: access to metadata you normally have access to



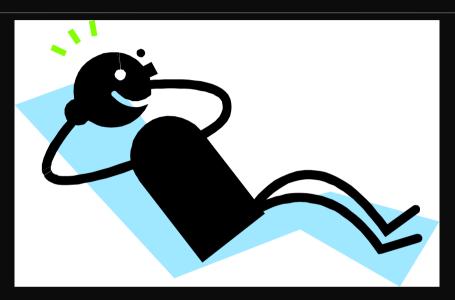
## Metacoda Commutual



productivity through metadata visibility \*///



### Metadata



- SAS metadata the blood
- SAS metadata server the heart
- SAS Intelligence Platform the body
- Vitality of metadata lifecycle of business & technical metadata



## Questions?

#### Michelle Homes

- Email: michelle.homes@metacoda.com
- LinkedIn: http://au.linkedin.com/in/michellehomes
- Twitter: http://www.twitter.com/HomesAtMetacoda

#### Metacoda

- Web: http://www.metacoda.com/
- Blog: http://www.metacoda.com/en/blog/
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- Twitter: http://www.twitter.com/metacoda
- Facebook: http://www.facebook.com/Metacoda
- YouTube: http://www.youtube.com/user/metacoda/

http://blogs.sas.com/content/sgf/2012/12/05/why-i-love-sas-metadata/