



Statistiska centralbyrån Statistics Sweden

Luxembourg 2008-12-04

- Swedish legislation
- Distributing Microdata (MONA)
- Cooperation with the Swedish Research Council
- Future developments



C-G Hjelm – Statistics Sweden,
Research and Development



Statistiska centralbyrån Statistics Sweden

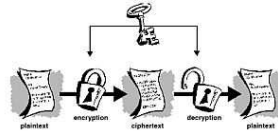


Swedish legislation



Swedish legislation

- Statistics Acts
- Personal Data Acts
- Secrecy Act



Statistics Act

- Data collected for statistical purposes may be used for
 - the production of statistics
 - research purposes
 - public planning



Personal Data Act

- Data must be:
 - Processed fairly and lawfully.
 - Collected for specified, explicit and legitimate purposes
 - Adequate and relevant



Confidentiality – main rule

- Data obtained for statistical purposes are confidential
- Access may be granted in forms which do not allow direct or indirect identification of persons or of other data subjects like enterprises





Confidentiality- exeption

- Confidential data may be released to a third party for the purpose of statistical surveys or research.



Confidentiality

- The obligation of confidentiality will also – according to the law or by imposition of a duty of non-disclosure – apply to the recipient of the data.



Legal contracts

- Limitations to the access by specifying
- People
- Project
- Variables
- Period



The MONA system



Name	Email	Trust	Expiration	Size	Creation	Id
* @Jerome G. jerome@...		Unlimited	1024	2005-06-11	0x784...	





Statistiska centralbyrån Statistics Sweden

Advantages and basis of MONA - 1(2)

- Statistics Sweden and other authorities has distributed Microdata to research institutions in Sweden for many years by CD-ROM and other medias
- Today there are new needs to distribute Microdata – *primary larger volumes*
- We wont control over distributed data
- User friendly system
- Secure system
- Users don't need their own infrastructure



Statistiska centralbyrån Statistics Sweden

Advantages and basis of MONA - 2(2)

- Extended and better documentation that make researchers less dependent of personal contacts
- Faster and cheaper
- Increased level of service
- Increased choice of place to perform the research
- Increased possibilities to build common used databases for different disciplines
- Increased secondary use of Microdata



User statistics

- Started winter 2005
- During autumn 2005 the number of users are expected to increase to approx. 120
- 2008 – around 500 registered users (400 active) – demanding and creative users
- The users are researchers (75%) and Public Offices (25%)



MONA (Microdata ON-line Access)

Serverbased design

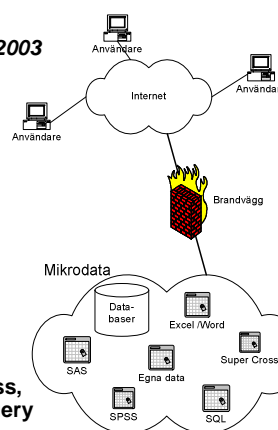
- Microsoft Terminal Services / Windows 2003
- User have their own desktops
- Only screen updates are transferred
- No cut and paste between sessions
- Email in PGP for result files

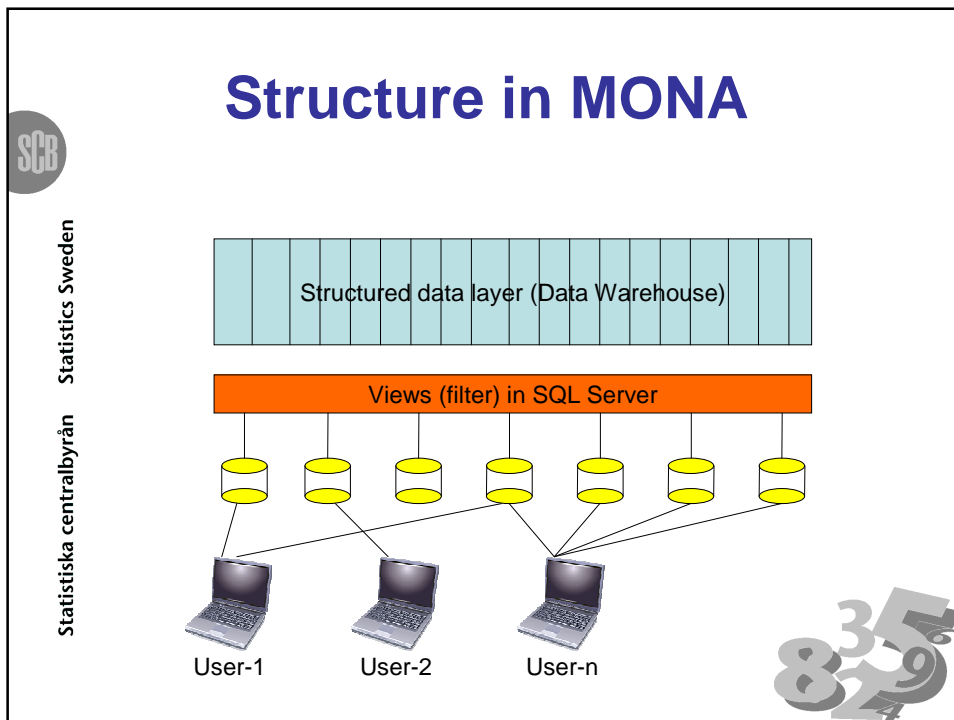
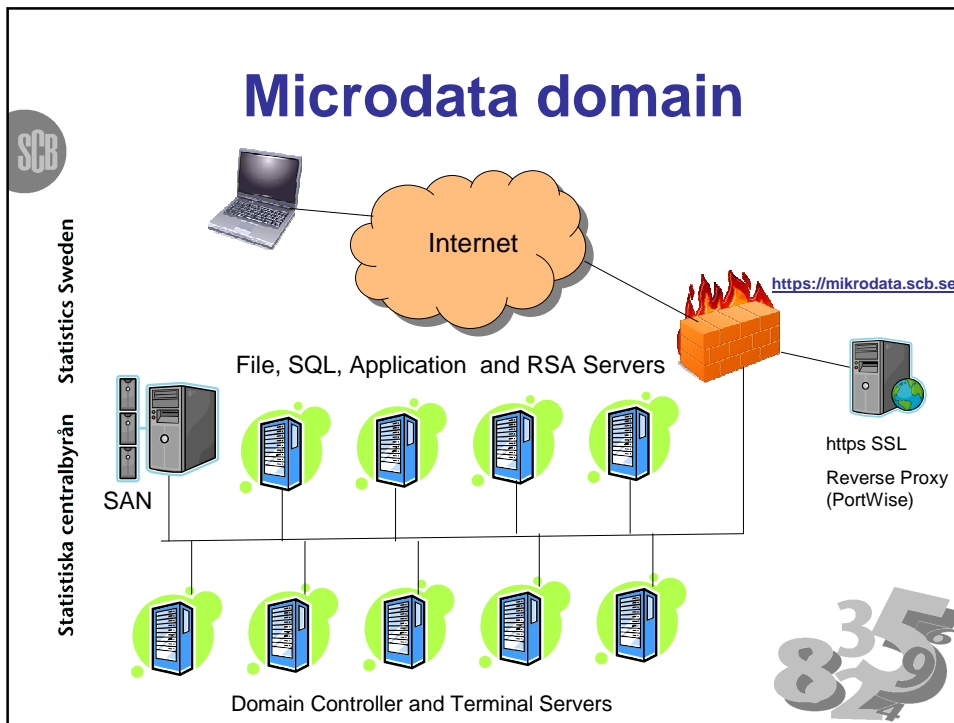
Security

- SSL tunnel - <https://mikrodata.scb.se>
- RSA Secure ID
- Domain logon and reauthentication with security token

Applications (present)

- SAS, SPSS, GAUSS, R, TSP, Super Cross, STATA, LISREL, GAMS, WinRats, SQL Query Analyzer and Microsoft Office







Cooperation with the Swedish Research Council



Cooperation with the Research Community

- Funding to Statistics Sweden from the Swedish Research Council (public authority that handles most of the research funds in Sweden)
- 2006-2008 with evaluation in summer 2008
- $\approx 10.000.000$ SEK (ax $1.000.000$ €) per year





Activities and projects

- Service to researchers
- Selection of structured registers available for researchers
- Suitable metadata, documentation and classifications for researchers on the selected registers available via Internet
- Quality indicators on register data
- Routines for handling researchers data after the ending of the project



Future developments





Keywords MONA-II

- Single sign-on
- Active card to replace RSA Tokens
- Replacing PortWise with Terminal Server 2008 for VPN
- All user administration in one place (Active Directory)
- Possibility to use distributed system
- Possibility to publish applications
- Seamless Windows



Thank You for Your time



claus-goran.hjelm@scb.se

