

Discussion Record Linking Otto Andersen



The papers

- Paul van der Laan
 - Statistics Netherlands is new to the business of record linking
 - New administration procedures
- Svein Gåsemyr
 - Presents the complex situation when you have an almost complete registerbased statistics
- Flemming Petersson
 - Researchers demand for data
 - pinpoints some special problems within record linkage

Statistics Netherlands

- Record linkage is needed to
 - Increase flexibility in the statistical system
 - Increase the possibilities as data are owned by different administrative units
 - Reduce the burdens on the respondents and increase the response rate
- The arguments for allowing record linking are well known and accepted in the Nordic countries

Main problems

- The Identifiers
 - There are too many and the Citizen Service Number from 2007 should be the only Person Number all over.
 - Surveys – Identifiers are not asked for (p.8)
- The organisation
 - Special department for linking data together
 - Only few people are allowed to link data
- Trust
 - How to secure the system and maintain the the trust of the population

Norway

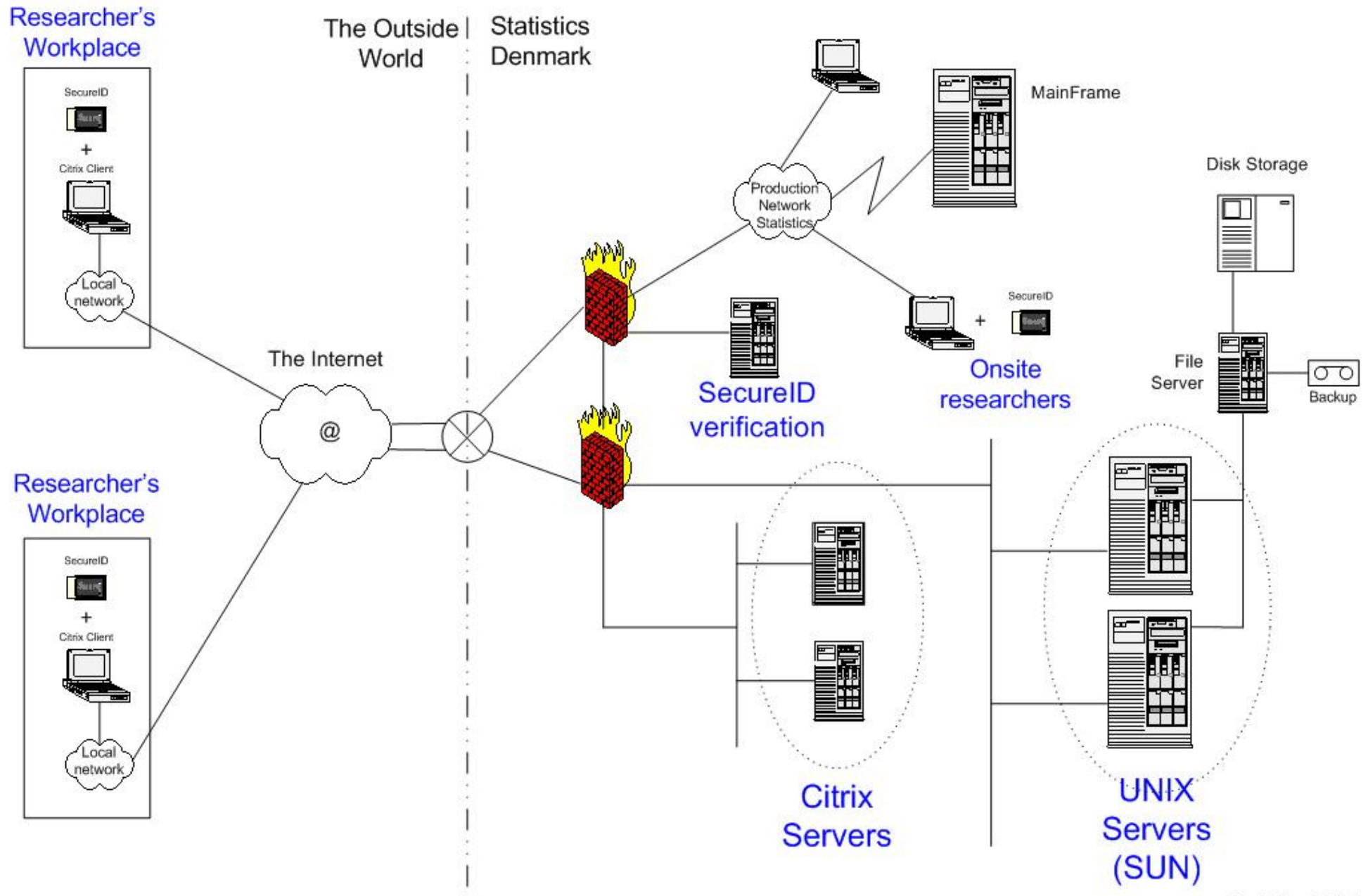
- Advantages
 - Total Population
 - Dates and periods
 - Low costs
- Main challenge is to identify inconsistencies and to solve them
- Different reference periods
 - One of the main problems when different data sources are linked together
- The 10 longitudinal databases
 - A very complex plan

Denmark

- Linked micro data for research
 - Special research data bases
- Researchers have access to de-identified microdata
- On-line system
- How to guard confidentiality?
- Demand for High Quality Data with complete meta data



Remote Access to Statistics Denmark. August 2003. Principles of Operation



Token – RSA SecurID



Specific problems

- The Person Number can be changed
- Employees, workplaces and enterprices
- Behaviour in continous time