Risk Assessment and Horizon Scanning Initiative (RAHS)
The RAHS System Enabler Principle

Early Alert (?)

- Enabled Multiple Agency Team Collaboration
- Collaboration Infrastructure
- Advanced Data Analytic
- Model Building and Matching
- Meta-Tagging & Visualisation
- Enabled Less Search and More Analysis Time for Analyst Team
- Enabled Sharing of Analyst’s Viewpoint on Data
- Enabled Building of Contexts to Make Sense of Incoming Data

Klein, Snowden
RAHS Architecture and Data Analytic Service
One-Stop Service Launch Bar
ORCHESTRATOR
Conducting Further Analysis – Data Analytic Service
Conducting Further Analysis – Data Analytic Service
Conducting Further Analysis – Data Analytic Service
Perspective Sharing through Meta Tagging and Visualization
Data Annotation Service

Data

Assessment

Free Form Tag

Meta-Tag Agreed by Network

Data

More than 10,000 Australian computers have been infected by a trojan virus - a hidden, malicious anti-virus software that is transmitting their owners' private details to identity thieves.

The Australian Tax Office confirmed yesterday that 170 taxpayers had unwittingly revealed their tax file numbers while lodging tax returns online.

These people have been notified and are being offered new tax file numbers, a spokesperson said.

The Tax Office was warned of the infection by the Australian Computer Emergency Response Team (AusCERT), which has been issuing similar warnings to banks and other large organisations whose clients' details have been compromised.

A security analyst at AusCERT, Macleod Stanley, said the "Microsoft" worm could leave serious damage to computers, capture usernames and passwords stored in the Windows operating system and harvest data being transmitted from a computer during the completion of online forms such as tax returns.

Macleod Stanley said tax file numbers, bank account details and passwords were being transmitted from a computer during the completion of online forms such as tax returns.
Collaborative Annotations

Automated Meta-Tagger

Pattern Visualisation

“We tend to perceive what we expect to perceive”
Psychology of Intelligence Analysis
Richards J. Heuer, Jr
Model Building and Matching
Data and Model

Why the Different Hypothesis?
- Experience Level

Data Structuring allows analyst team to generate model of past events and that of plausible future

Overflight Activities Around Nuclear Power Plant

Terrorist Attack Imminent

Blunder by Trainee Pilot

Incidents immediately after 911
Building and Exploiting System Map Service

Consistency Matrix

Morphological Analysis

Lock Cell with Current Data
RAHS is a network:
- Agencies
- People
- Tools
- Data

RAHS Architecture

Service Oriented Architecture
Collaboration Services
One-Stop Service LaunchBar

Perspective Sharing Capability

RAHS Server

Data Analytic and Structuring Capability

RAHS Clients

COUNTER TERRORISM

STRATEGIC PLANNING
Thank You