

Resources at Chalmers

Passwords may not be disclosed to other students or individuals.

If you're compelled to write down your passwords and log-in information, please keep this information away from and outside the reach of others and stay away from using plain language when referring to this type of sensitive information. Never save your user name and password in the browser for automatic log-in regardless of which computer you use. Passwords must be immediately changed if you suspect that someone else may have come across such sensitive information.

Passwords to access the IT resources of Chalmers may not be simultaneously used on other websites or systems.

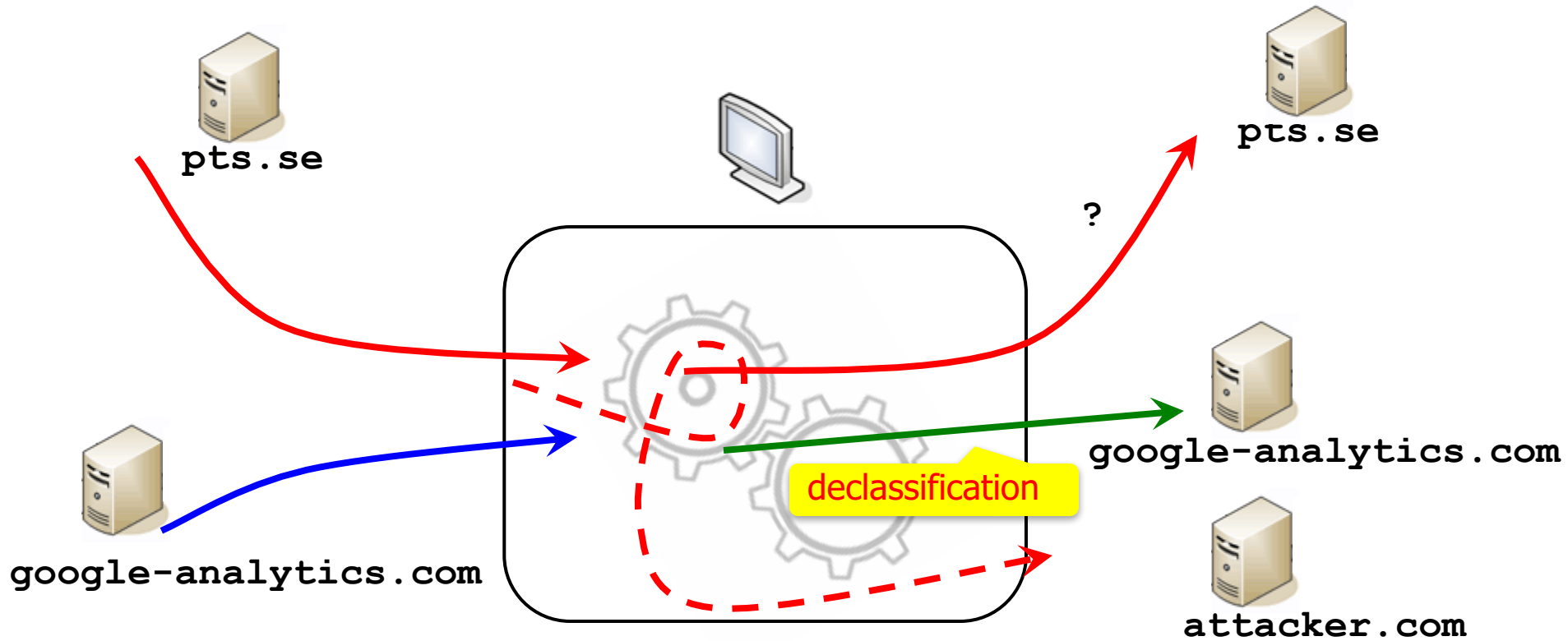
Private PCs

All computers and other equipment connected to the Chalmers data network, regardless of ownership and location, must have up-to-date antivirus protection and a current version of their operating system. Private PCs must always be checked to make sure they have not been contaminated with malware. All computer user names for the various departments must be equipped with secure passwords (please consult <https://www.testalosenord.se/> in the case of uncertainty).

“please consult https://www.testalosenord.se in the case of uncertainty”

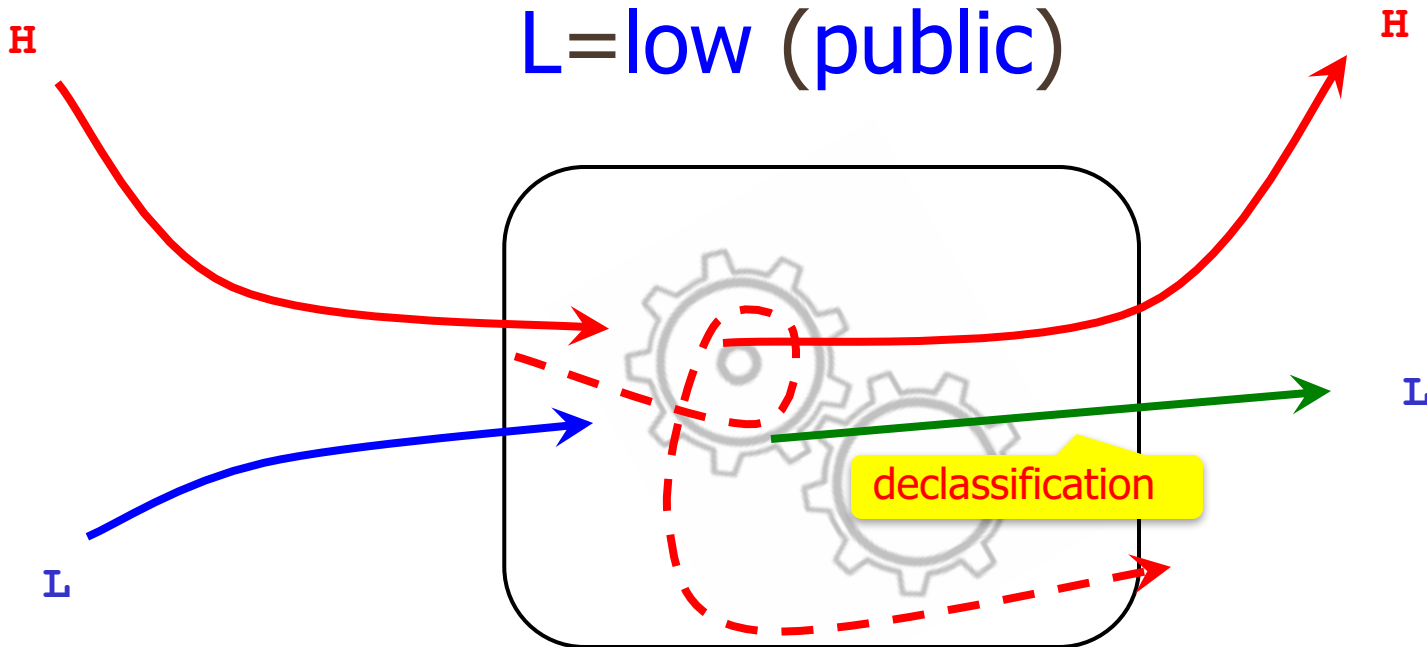
Demo

Information flow security



Information flow security

H=high (secret)
L=low (public)



From safety to security

- Confidentiality
 - no “secure state”
 - no “secure trace”
 - key: relation between traces
- Implicit flows

```
if (secret) {  
    public = true;  
}
```

From JSFlow to architectures for inlining

- **JSFlow**: Tracking information flow in JavaScript
 - [Hedin & Sabelfeld'12]
- As security-enhanced JavaScript interpreter
 - [Hedin, Birgisson, Bello & Sabelfeld'14]
 - Software release: <http://www.jsflow.net>
- Implemented itself in JavaScript
- **Any interpreter of this kind can be deployed**
 - as browser extension
 - as web proxy
 - as service (suffix proxy)
 - integrator-driven
 - [Magazinius, Hedin & Sabelfeld'14]

