## **Security in the OSG**

Queen Elizabeth II Sovereign of the Royal Family Order of King George V Buckingham Palace

### The Real Queen?

Nope, she's a decoy to protect against threats to the Crown





## **Security in the OSG**

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# What is Identity?

It's who you are and provides a means of accountability.





### What is identity?

- Identification as proof of identity
- In the real word: photos, driver's license, passport, etc.
- On the Internet: usernames, certificates



### How Do You Trust Someone?

Why didn't you trust me when I said I was Queen Elizabeth II?





### How do you trust someone?

- Prior knowledge/experience
- Appeal to authority
- Chain of trust
- Varying levels of trust



# Authentication Trusting identification

#### Authentication

- Do you trust who I say I am?
- What about forged identities?
- Username + password, shared secret (public key cryptography)
- Authentication often goes both ways



# 2. Authorization

Trusting identities

### Authorization

- Do I trust your identity?
- Do I trust you enough to give you root?
- Authorization describes the privilege level of an identity



# 3. Security in the OSG Hey, that's the name of the talk!

### Security in the OSG

- Certificate based
- Transparent
- VOs vet users
- Admins vet machines





# **Is Your Data** Secure? On a shared computer...

#### Is Your Data Secure?

- Every participant in the OSG is vetted but...
- You are using a shared computer
- Take basic precautions (i.e. no worldwriteable files)
- Sensitive data (e.g. HIPAA)? HTC may not be for you



### Credits

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## Thanks!

Any questions?



