CS158B Network Management with Web Services
Project 3 Presentation

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Basic SNMP Operations

- Users can perform basic SNMP operations
    - Status
    - Netstatus
    - Walk
    - Get
    - Test
    - Translate

Basic SNMP Operations

- User will be able to type the Application Server address (Server Host), network element address (Host Address), the community string, OID and select one of operations to perform

- MIB Tree is also available for users to select and input particular OID by selecting it on the Tree

Basic SNMP Operations

- A status operation is performed and results are shown

Change Location, Contact and System

- User will be able to change the contact, location and name of a network element by using a community string that has written privilege

Change Location, Contact and System

- An operation to change contact is performed and results to reflect the change is shown

Access Control

- User will be able to create/delete
  - Groups for existing security names
  - Views that specify a particular OID Tree
  - Access controls that links views with a group to control privileges for certain groups
- User will only be able to perform these operations with a community string that has the written privilege
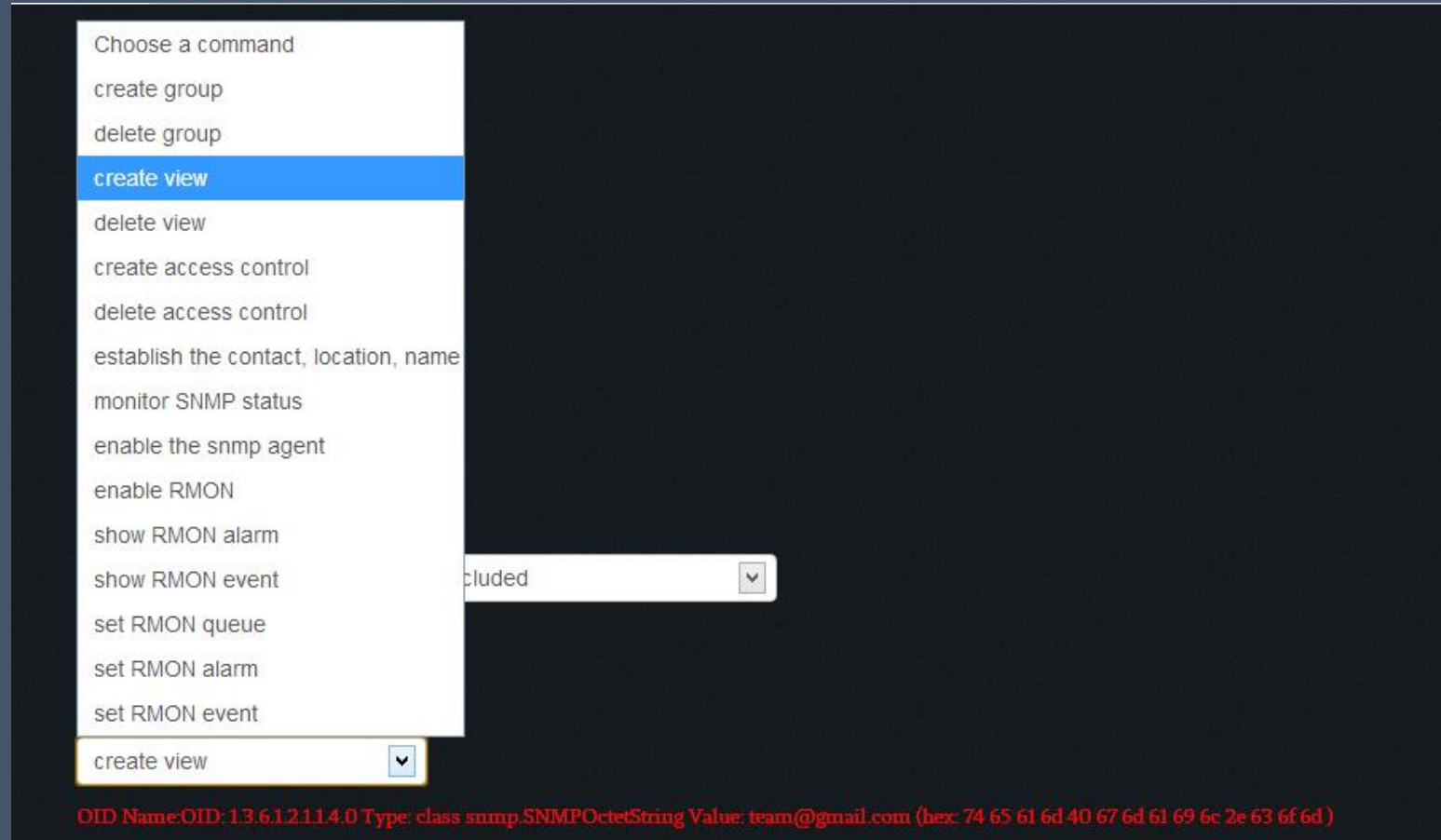
Access Control

- A delete access control operation is performed and results are shown to reflect that the operation successes

Enable/Disable Network Element

• User will be able to disable/enable network elements with a community string that has this privilege

Enable/Disable Network Element

- A disable SNMP agent operation is performed and results are shown to reflect that the operation successes

RMON Operations

- Users will be able to perform basic RMON operations
  - Show RMON alarms
  - Show RMON events
  - Enable/disable RMON events (Not working)
  - Set RMON queue (Only be able to decrease the Queue, but not be able to decrease it)
  - Set RMON event (Not working)
  - Set RMON alarm (Not working)
- User will only be able to perform these operations with a community string that has this particular privilege

RMON Operations

- A show RMON alarm operation is performed and results are shown as a table

Security with Secure Sockets Layer (SSL)

- Communications between the application server and the frontend are protected with SSL

- Browser will display the certificate as an invalid one since the certificate is a self – signed one instead of one that is singed by third – party Certificate Authority (CA)
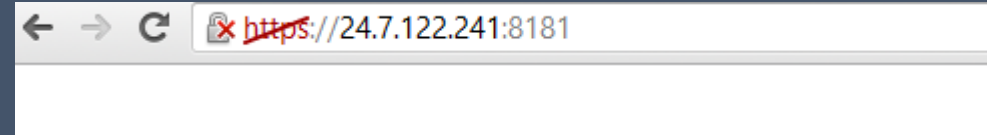
The End

Thank you very much for viewing