Security

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- Security is a very broad topic.
- Features: users, groups, settings, certificates, LDAP.
- Other: prevent intrusion, protect customer data, auditing.

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User Management

- User accounts protect access to application.
- Permissions assigned through role groups.
- Features: Create, edit, and delete users.
- Troubleshooting:
  - Check account security settings.
  - Read error messages carefully.
  - Read documentation in question marks and "learn more" links.
  - Read retain tips.
  - Collect all service data.

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Role Groups

- Role groups define groups of user accounts with same role(s).
- Roles define user's permission to perform tasks.
- To make user member of role group, edit the user account.
- See also: LDAP.
- Features: Create, edit, and delete role groups.
- Troubleshooting:
  - Check account security settings.
  - Read error messages carefully.
  - Read documentation in question marks and "learn more" links.
  - Read retain tips.
  - Collect all service data.

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Settings

- Settings control global application behavior.

- Account Security Settings
  - Defines default settings for user accounts, passwords…etc.
  - Check these when you have password policy violation errors.

- Cryptography Settings
  - Minimum TLS version allows customers to require a stronger TLS protocol than the default (TLS 1.0).
  - Cryptographic mode lets customers require stronger algorithms than the defaults.
  - We always use the strongest settings both sides support, so defaults should be fine for most customers.
  - You may need to run "resolve entrusted certificate" after changing cryptographic mode.

Certificates

- **Server Certificate**
  - Used to assert LXCA's identity to customer's browser and managed endpoints.
  - Can be replaced by customer.
  - Read documentation carefully.
- **Trusted Certificates**
  - Certificates belonging to endpoints and external servers we trust.
  - Endpoint certificates imported on manage.
  - External server certificates (like LDAP) imported manually.

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LDAP (MS Active Directory Only)

- Allows customer to use external user registry.
- Function modeled from CMM.
- Added additional diagnostic messages to improve chances of success (may not be perfect).
- In most cases, if configuration works with CMM, should work with LXCA.
- CMM may mask problems LXCA doesn't.

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