

# lccPoll Installation

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## Description

This document describes how to install lccPoll.

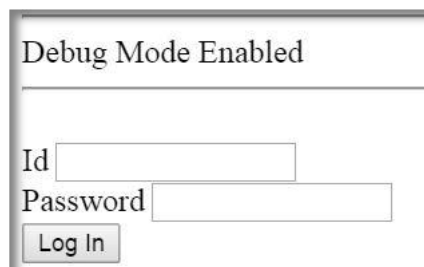
The supplied example Logic File can be used as reference when creating yours.

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## Installation

- *[directories]* make directory for **main website**  
ex: F:\oursite\lccPoll
  - make sub-directory **bin**  
ex: F:\oursite\lccPoll\bin
  - make sub-directory **resources**  
ex: F:\oursite\lccPoll\resources
- *[directories]* make directory for **data** (not in URL accessible path)  
ex: F:\lccPollData
  - make sub-directory for **answer files**  
ex: F:\lccPollData\answers
  - make sub-directory for **choices**  
ex: F:\lccPollData\choices
  - make sub-directory for **questions**  
ex: F:\lccPollData\questions
  - make sub-directory for **resources**  
ex: F:\lccPollData\resources
  - make sub-directory for **whitelists**  
ex: F:\lccPollData\whitelists
- *[directories]* make directory for **logs**
  - ex: F:\lccPollLogs
- *[web server]* create **Application Pool** (.NET 4.5 or higher)
- *[web server]* create **Application** on top of the **website folder**, and assign the **Application Pool** created.
- *[directories]* on all 'data' directories, give rights to the **Application Pool** credentials to read/edit the **data** folders/files
- *[files]* **data folder** -->**resources**: put **pageHead.txt**
- *[files]* **data folder**-->**resources**: put **pageBottom.txt**

- [files] data folder-->resources: put pageTop.txt
- [files] website folder put web.config
- [files] website folder put Default.aspx
- [files] website folder-->bin put lccPoll.dll
- [files] website folder-->resources put lccPollScripts.js
- [files] website folder-->resources put lccPollStyles.css
- [file] edit web.config
  - change key "lcc:logicPath" value to data folder
  - ex: F:\lccPollDemoData\lccPoll-logic.txt
- [SQL] create database
  - ex: lccPoll
- [SQL] create user with read/write access to database
- [SQL] using provided SQL script, create tables
  - lccTblAnswers
  - lccTblChoices
  - lccTblGroups
  - lccTblPollAccess
  - lccTblPolls
  - lccTblPollsAccessed
  - lccTblQuestions
  - lccTblResources
  - lccTblResourcesUsed
- [data directory] create new text Logic File
  - ex: lccPoll-logic.txt
- [logic file] add key/value for your IP (for initial set-up/debug, gives special rights)
  - lcc:debugIP ###.###.###.###
  - ex: lcc:debugIP 123.123.123.123
- [web browser] open lccPoll website
- should see:



Debug Mode Enabled

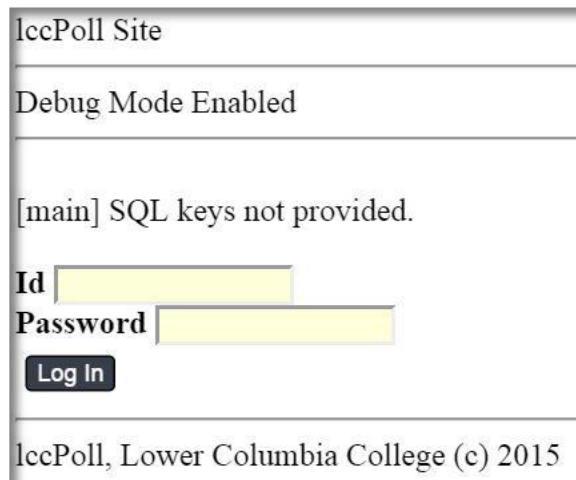
Id

Password

- [logic file] add all Debug Keys
- [logic file] disable all Debug Keys, except:
  - lcc:debugLevel 11 SQL Commands
  - lcc:debugLevel 17 Pipe 'log only' records to screen as well
- [logic file] add all lcc:FieldMaxLength keys
- [lccPoll website] reload website
- should receive (indicating it is attempting to contact SQL, but, no settings supplied)

*[main] SQL keys not provided.*

- *[logic file]* add keys
  - lcc:programName ...
    - ex: **lcc:programName**      **lccPoll**
  - lcc:demoMode ...
    - ex: **lcc:demoMode**    **NO**
  - lcc:logPath ...
    - ex: **lcc:logPath**      **F:\lccPollLogs\lccPollLog**
  - lcc:pageDataPath ...
    - ex: **lcc:pageDataPath** **F:\lccPollData**
  - lcc:resourceFilePath ...
    - ex: **lcc:resourceFilePath**    **F:\lccPollData\resources**
  - lcc:questionFilePath...
    - ex: **lcc:questionFilePath**    **F:\lccPollData\questions**
  - lcc:choiceFilePath ...
    - ex: **lcc:choiceFilePath**      **F:\lccPollData\choices**
  - lcc:answerFilePath ...
    - ex: **lcc:answerFilePath**      **F:\lccPollData\answers**
  - lcc:pageHeadFile ...
    - ex: **lcc:pageHeadFile**      **pageHead.txt**
  - lcc:pageTopFile ...
    - ex: **lcc:pageTopFile**    **pageTop.txt**
  - lcc:pageBottomFile ...
    - ex: **lcc:pageBottomFile**      **pageBottom.txt**
  - lcc:pageTitle ...
    - ex: **lcc:pageTitle**          **lccPoll 2015**
  - lcc:pollURLRoot ...
    - ex: **lcc:pollURLRoot**    **https://oursite.edu/lccPoll/?lccPollId=**
- *[lccPoll website]* reload website
- should see:



- *[logic file]* add key(s) for LDAP (aka AD) server(s)

- lcc:LDAPServer ...
- ex: **lcc:LDAPServer** **dcl.ourcollege.edu/dc=ourcollege,dc=edu**
- *[logic file]* add keys for encryption
  - lcc:globalEncryptionHash ...
    - ex: **lcc:globalEncryptionHash** **s0m3C00lPhr@\$e**
  - lcc:globalEncryptionSaltKey...
    - ex: **lcc:globalEncryptionSaltKey** **s0m3C00lPhr@\$e**
  - lcc:globalEncryptionVIKey ...
    - ex: **lcc:globalEncryptionVIKey** **s0m3C00lPhr@\$e12**
- *[logic file]* add key for security
  - lcc:securityKey ...
  - ex: **lcc:securityKey** **our Cool Security Key**
- *[AD]* create/choose an AD account for lccPoll to talk with AD
- *[program]* use lccPollCommandLine to...
  - create encrypted value from LDAP User Id
  - create encrypted value from LDAP User Password
- *[logic file]* add LDAP User and Password keys
  - lcc:LDAPUserId [lcc:encrypted]...
    - ex: **lcc:LDAPUserId** **[lcc:encrypted](encrypted value)**
  - lcc:LDAPUserPassword [lcc:encrypted]...
    - ex: **lcc:LDAPUserPassword** **[lcc:encrypted](encrypted value)**
- *[logic file]* add keys for database Server, User Id, User Password
  - lcc:databaseServer ...server... ...database...
    - ex: **lcc:databaseServer** **ourserver.college.edu** **lccPoll**
  - lcc:databaseUserId ...
    - ex: **lcc:databaseUserId** **[lcc:encrypted](encrypted value)**
  - lcc:databaseUserPassword ...
    - ex: **lcc:databaseUserPassword** **[lcc:encrypted](encrypted value)**
- *[lccPoll website]* reload website
- should see:
  - [lccFSQLActions][5] Command: SELECT lccIRecId, lccIParentId, lccSTitle, lccSLevel, lccSLDAPId, lccSRecordStatus, lccSRecordModified FROM lccTblGroups WHERE lccSRecordStatus!='Deleted';*
- *[lccPoll website]* log-in to website with your AD credentials (debug mode will grant access)
- *[AD]* create/use a lccPoll Administrator's Group in AD
- *[AD]* Add your account to that group
- *[logic file]* disable keys
  - lcc:debugIP **###.###.###.###**
  - lcc:debugLevel 11 SQL Commands
  - lcc:debugLevel 17 Pipe 'log only' records to screen as well
- *[lccPoll website]* create Group for the Administrator's within lccPoll
  - enter Title: ...
  - ex: **lccPoll Administrator**
  - choose Level: (choose Administrator)
  - enter LDAP Id: (DN of the Administrator's AD group)

- ex: **CN=lccPollDemo-administrators,OU=lccPoll,DC=ourCollege,DC=edu**
- click: Create Group
- should see "*Administrator Mode Enabled*"
- should see "*Debug Mode Enabled*" disappear
- *[files]* folder: view the Logs folder and verify the log is being created/used
  
- **\*congratulations!!!\*** It is installed.

If you want to install the optional email notifications on poll submissions/re-takes, do the following steps:

- *[logic file]* add keys for email (SMTP)
  - **lcc:SMTPServer** ...  
ex: **lcc:SMTPServer** ouemailserver.ourcollege.edu
  - **lcc:SMTPEmailFrom** ...  
ex: **lcc:SMTPEmailFrom** lccPoll@ourcollege.edu
  - **lcc:SMTPEmailFromName** ...  
ex: **lcc:SMTPEmailFromName** lccPoll Notifications
  - **lcc:SMTPEmailTo** ...  
ex: **lcc:SMTPEmailTo** lccPoll@ourcollege.edu
  - **lcc:SMTPEmailToName** ...  
ex: **lcc:SMTPEmailToName** lccPoll Mailbox
  - **lcc:SMTPEmailLinkToSite**...  
ex: **lcc:SMTPEmailLinkToSite** https://ourcollege.edu/lccPoll
  - **lcc:SMTPSubjectPre** ...  
ex: **lcc:SMTPSubjectPre** lccPoll Notification
  - **lcc:SMTPMessagePre** ...  
ex: **lcc:SMTPMessagePre** lccPoll Notification

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## Definitions

**AD** - Active Directory  
**AKA** - Also Known As  
**DN** - (AD) Distinguished Name  
**EX:** - Example

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## Modifications

NAME	DATE	MODIFICATION
David Mielcarek	3/26/2015	Created

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End of document