ISU Green Team Documentation for ANL 2017 CDC

For additional support or questions about this document email: anlcdc2017@iastate.edu.
Note: Emails should be sent from outside of the competition network.

Document Revision 3

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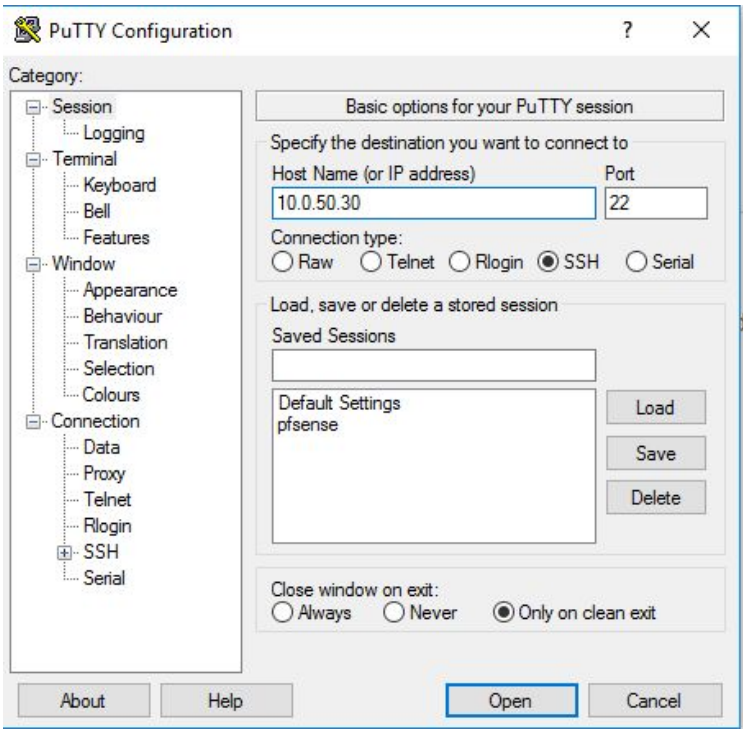
Logging In

SSH

Users are able to SSH into the servers by using SSH software (ssh for Mac/Linux, Putty for Windows). Putty is available for download at:

http://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

To connect, open putty and enter the hostname/IP of the device you want to connect to as shown below.



Then press “Open”. You will be prompted for a username + password where you should enter your credentials. If they are correct, you will be given a shell session.

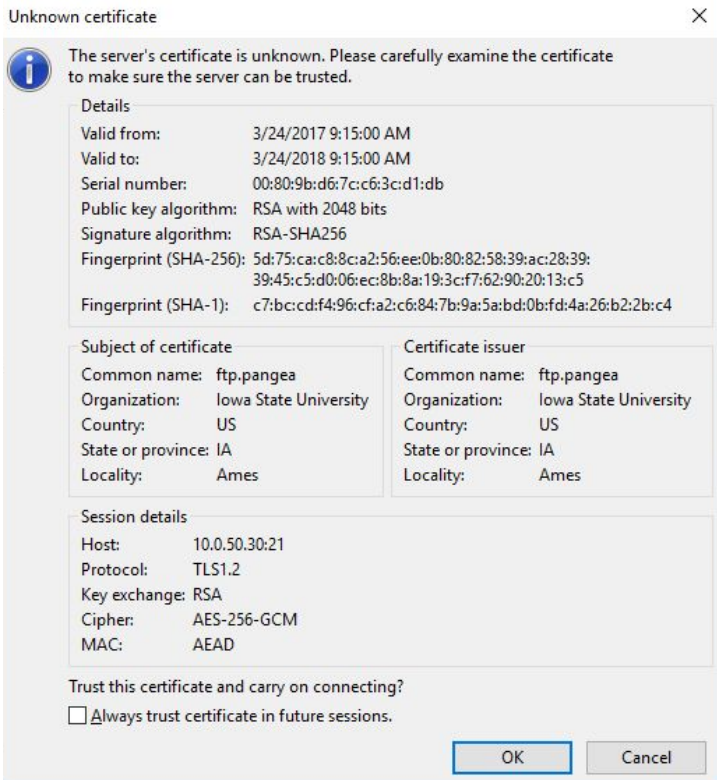
FTP

Users are able to FTP into the FTP server to upload and download documents. To login, open the FileZilla client on the Remote Desktop.

https://filezilla-project.org/download.php?type=client

To connect, open FileZilla and *ftpes://10.0.50.30* into the “host field”, your username and password from the (accounts table in the appendix of this document), and 21 into the port field as shown below.

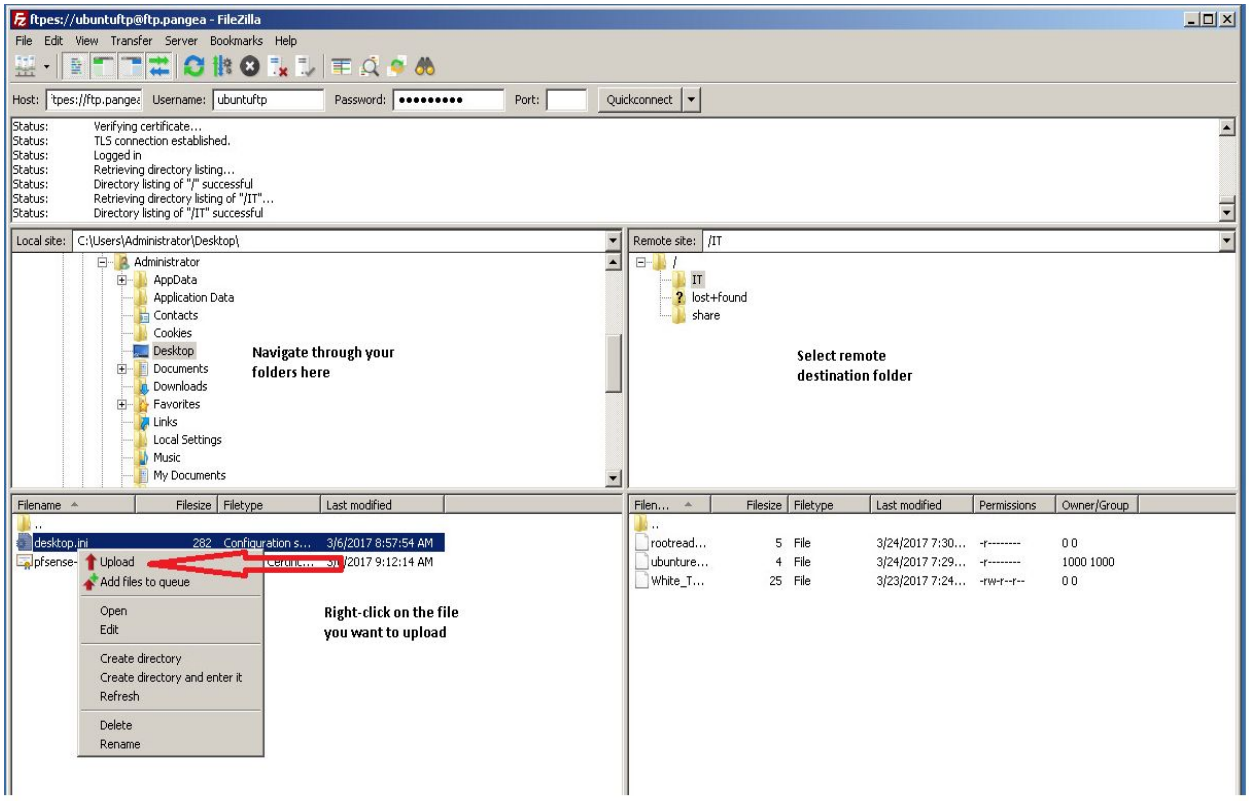
Press the button on the right “Quickconnect” to connect to the server. You will be prompted with a pop-up asking you to trust the encryption certificate of our server. Press “OK” to continue.



You should now be logged in.

Uploading and Downloading Files

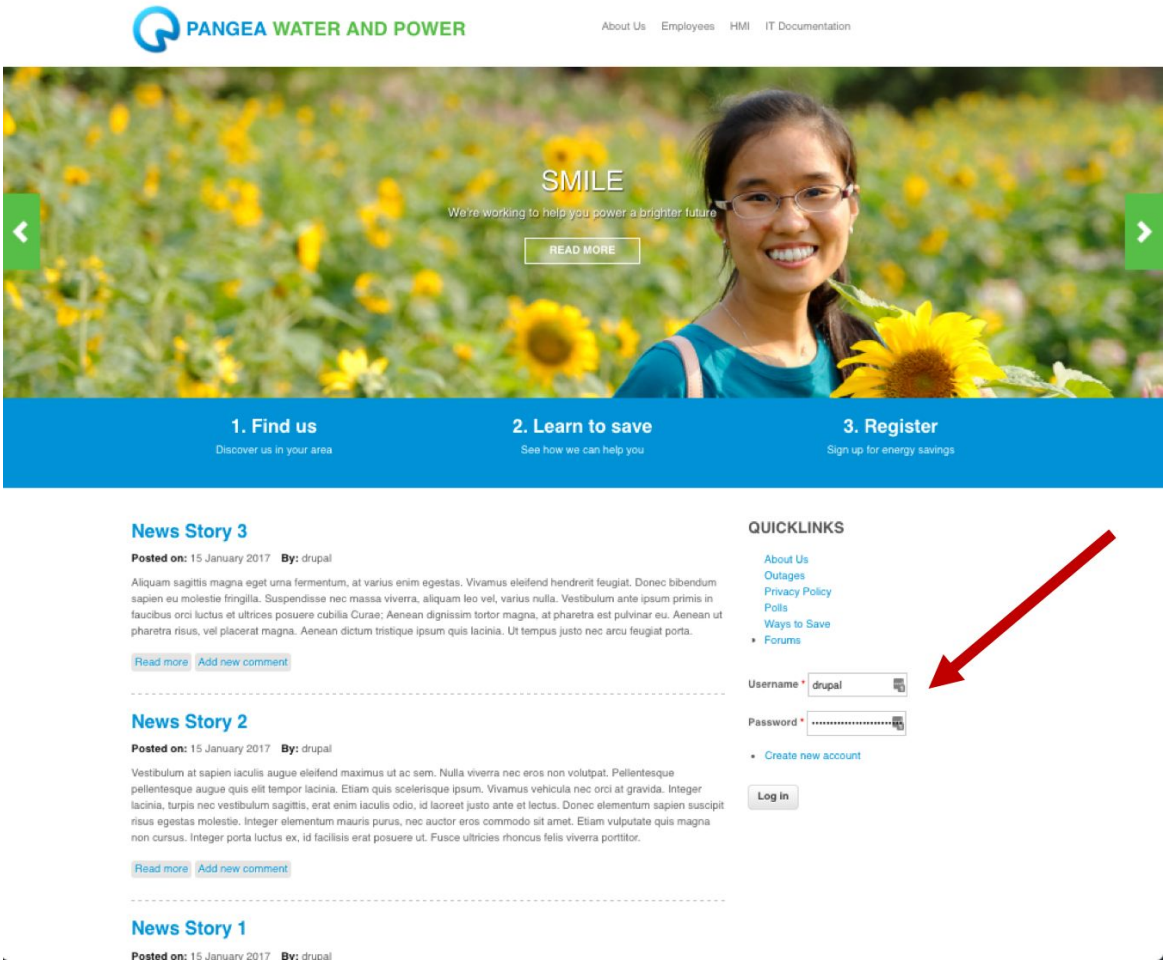
Uploading files can be accomplished by logging into FTP with your user account (see Logging In). You will be presented with a directory that can be used to upload files. Your uploaded files will be stored on the File Server. Simply navigate to the folder of the source file in the left-hand side of the program, and the destination in the right. Then, left click on the file you would like to upload and select “Upload”.



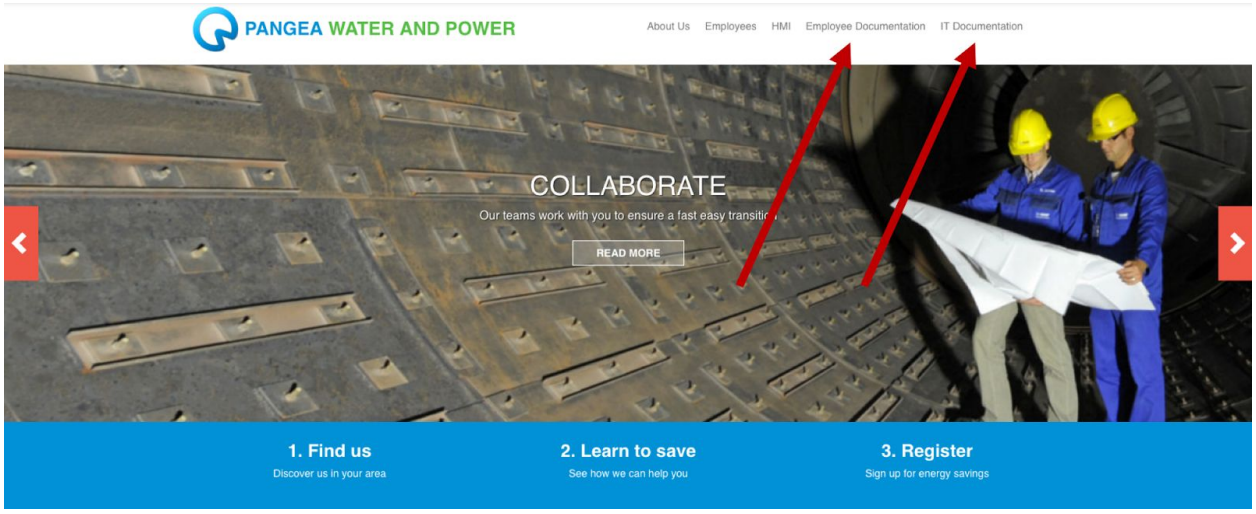
You can download files by signing into the web site with your user account.

In your web browser, navigate to the following address:

Once you get to the website, login in the lower right corner of the page. You must login in order to access the File Server documents. See the Employee Accounts table in the appendix section of this document for login credentials.



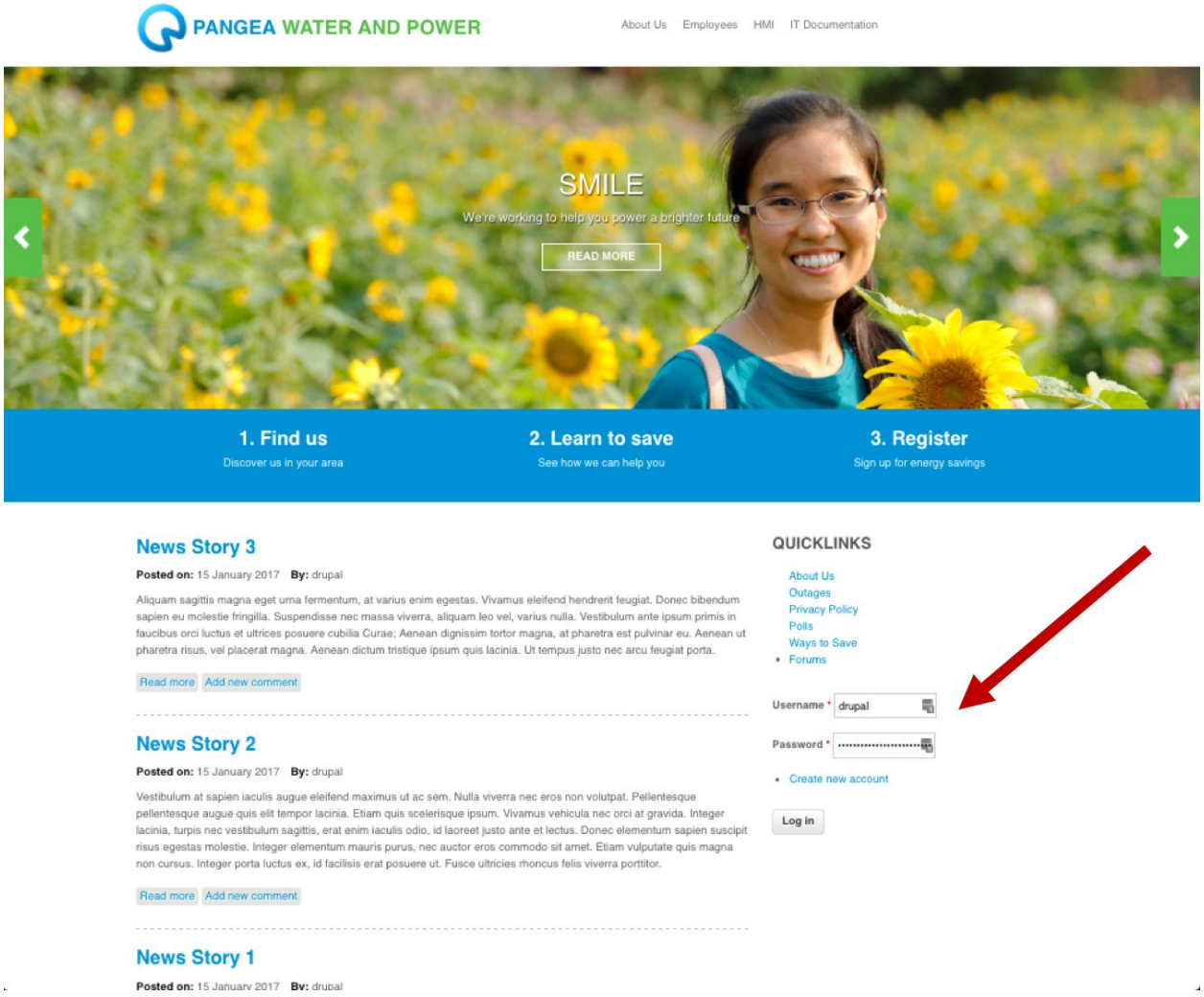
After signing into your user account you will be able to download files by clicking on the “Employee Documentation” tab. Note that the “IT Documentation” link can be used to download files from the File Server only if your user account has the proper permission.



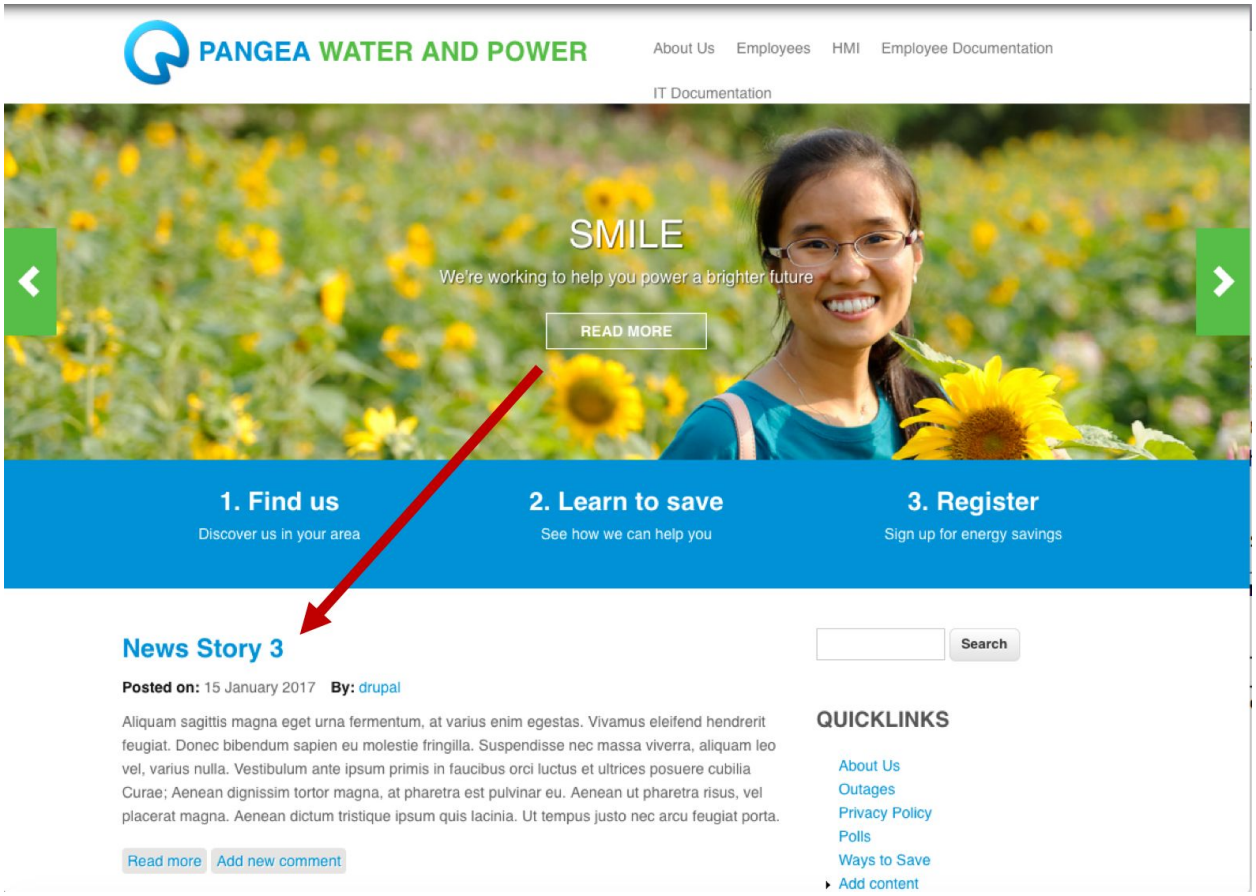
Commenting on Posts

In your web browser, navigate to the following address:

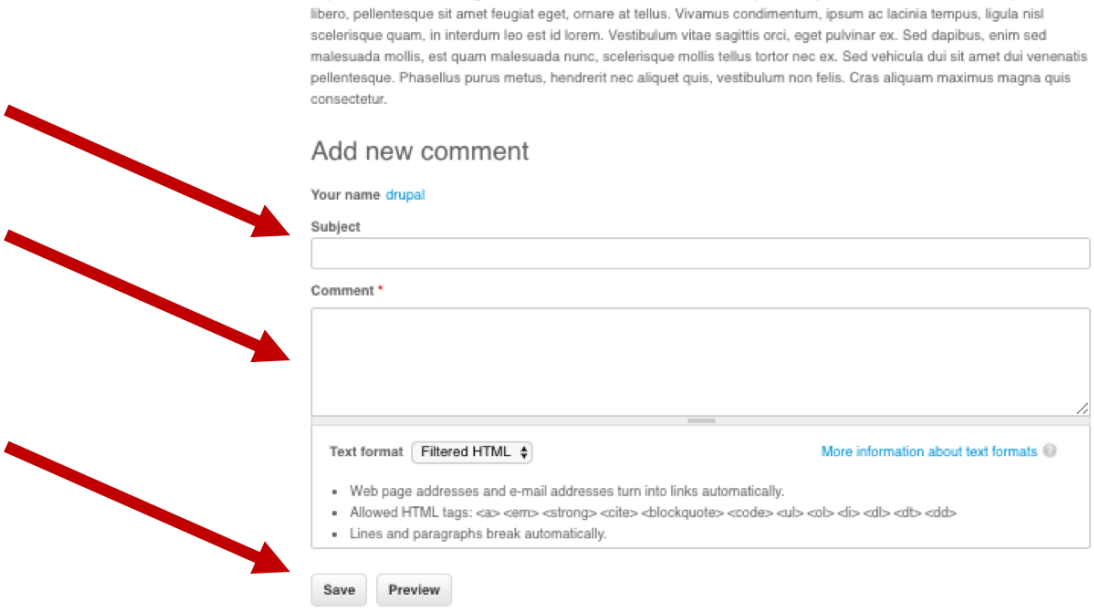
Once you get to the website, login in the lower right corner of the page. You must login in order to comment on a post. See the Employee Accounts table in the appendix section of this document for login credentials.



Next, click on the link to go to the post you wish to comment.



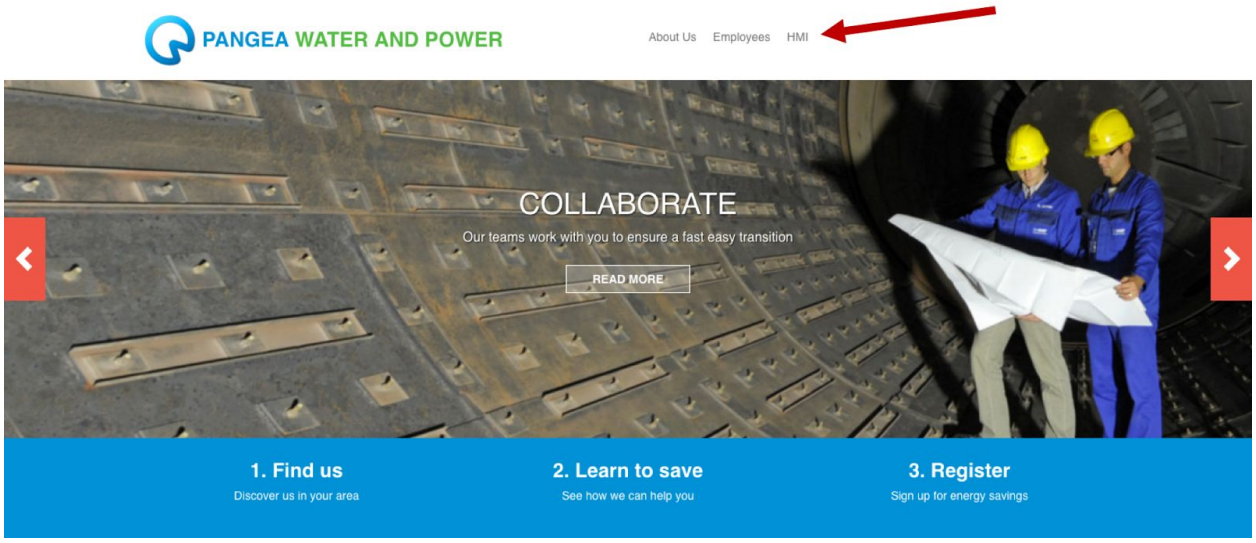
At the end of the post is where you can submit comments. If you do not login, the comment section will not be available. Make sure to fill in all the necessary fields before hitting save and submitting your comment.



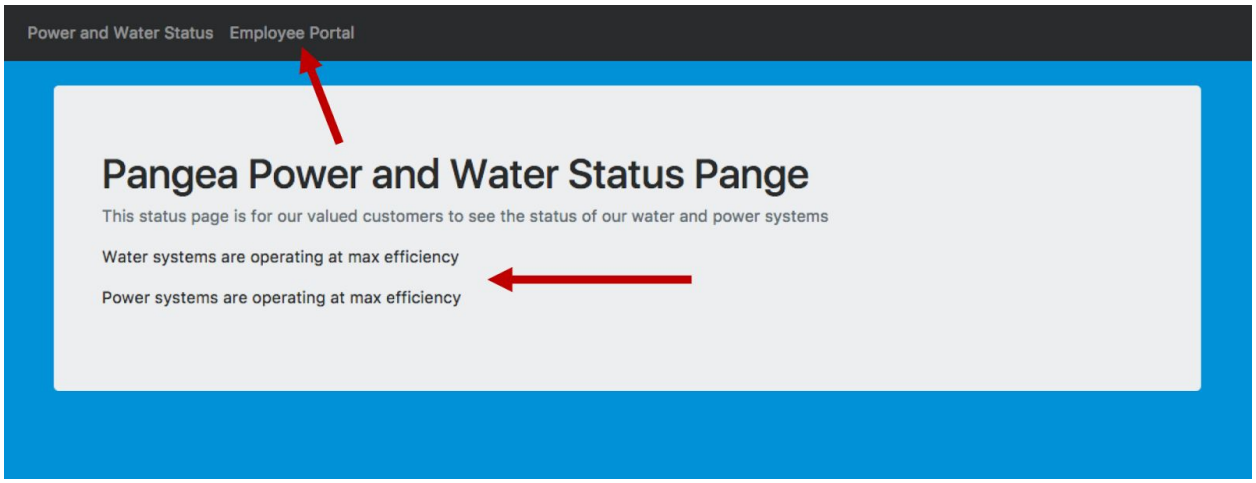
Accessing and Operating ICS/HMI

In your web browser, navigate to the following address: **http://192.168.2.2. If the 192.168.2.2 address does not work please try http://10.0.50.70.**

Then click the “HMI” link at the top of the page. NOTE: If this page is inaccessible you can access the HMI console directly by browsing to **https://10.0.50.50**. If the “https” version does not work please try connecting to **http://10.0.50.50**.



The link will then take you to the Pangea Power and Water Status Page. From here you can see the current status of both the water and power systems. To login, click the “Employee Portal” link at the top of the page.

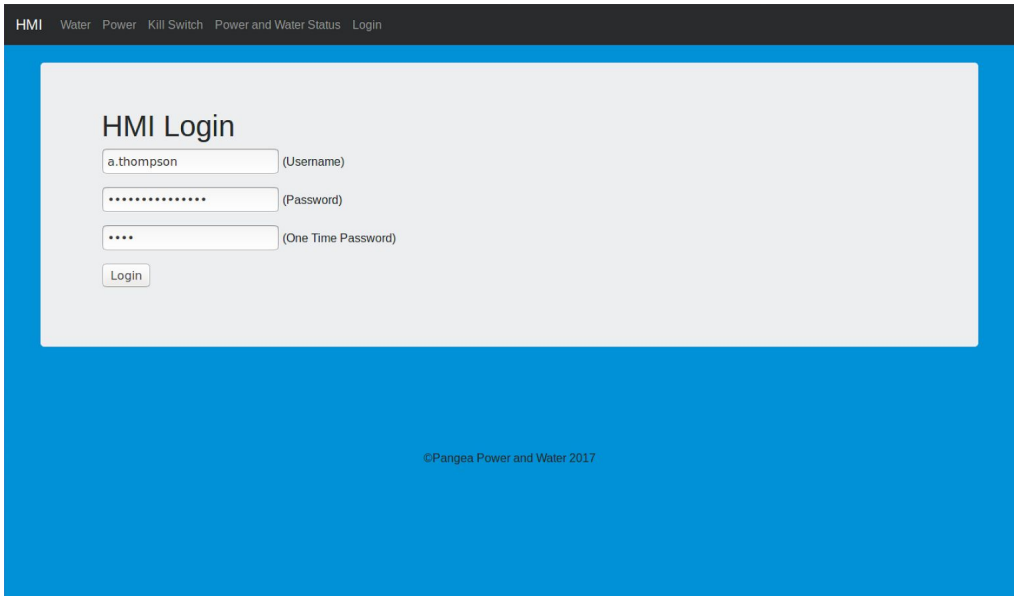


Enter your employee credentials, which are listed in the Employee Accounts tables shown in the appendix of this document. **You must obtain a One Time Password (OTP) which is valid for 1 hour by calling the toll free number 1-877-844-1072 and entering your employee's badge number followed by their assigned PIN number followed by the # key.**

Please note that not all employees have permission to operation pumps or electrical equipment. Your HMI session will expire after 2 minutes of inactivity!

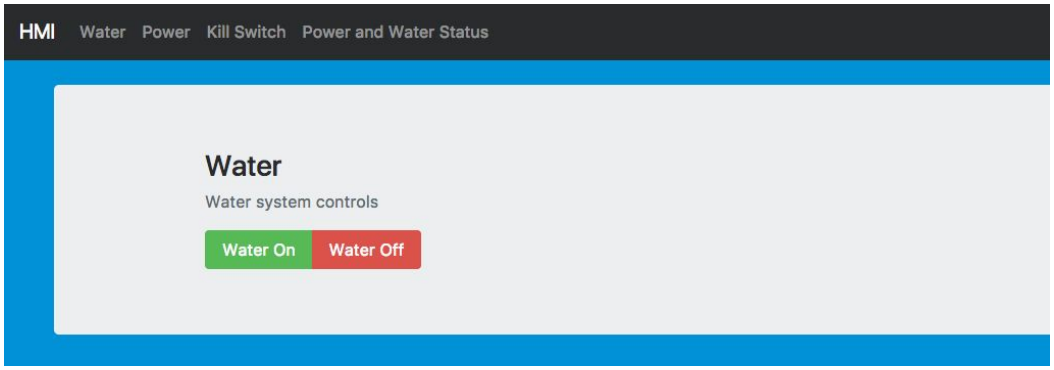
Andrea Thompson can operate **Water**, **Power**, and the **Kill Switch**.
Jane Wright and **Ted Fritz** can operate **Water**.
Crystal Licht can operate **Power**.
All users can view the power and water status.

Please logout when you are finished!

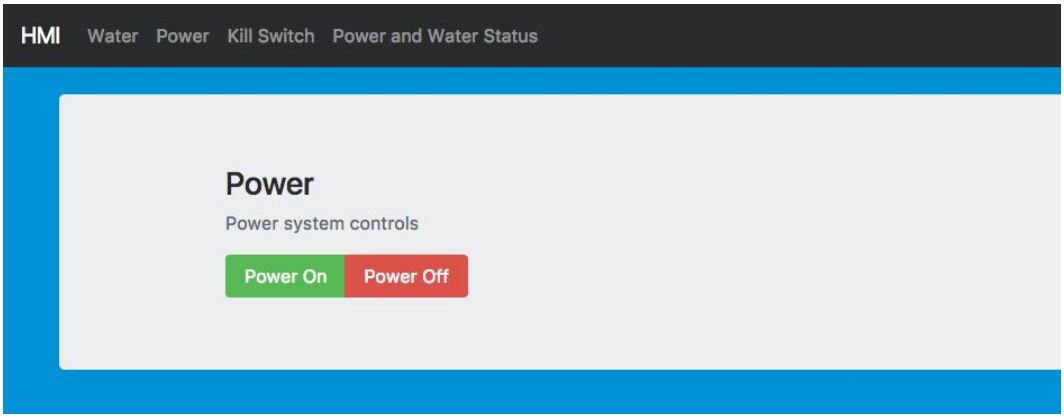


Upon successful login you will be redirected to the HMI power and water status page. The actions available to you are based on your user's role and current authentication level.

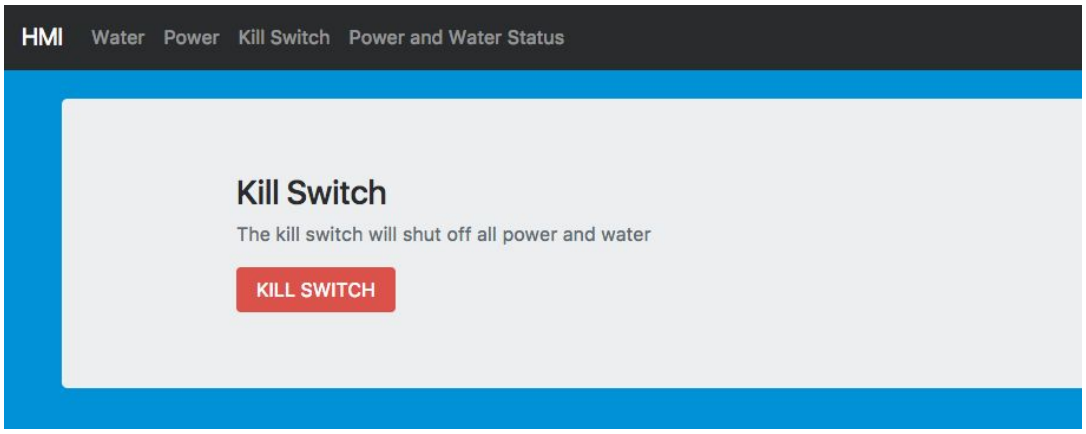
To turn on or off the water pump, you must have at least the permission level of a pump technician and navigate to the "Water" link.



To turn on or off the electric grid, you must have at least the permission level of an electrical engineer and navigate to the “Power” link.



In the event of an emergency, a user with permissions to access both the power and water may activate the “Kill Switch”, which immediately shuts down both the power grid and water pump.



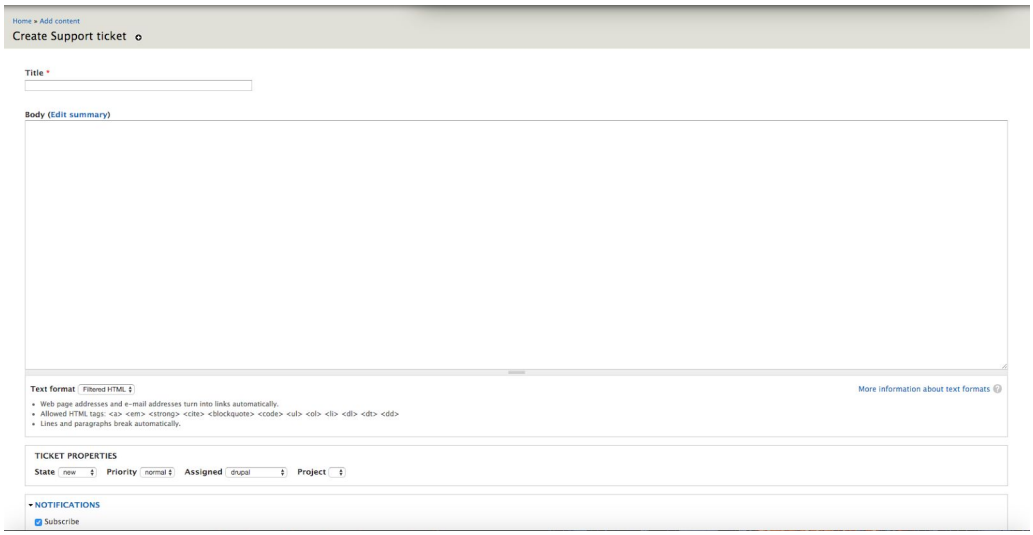
Help Desk

Requesting Support

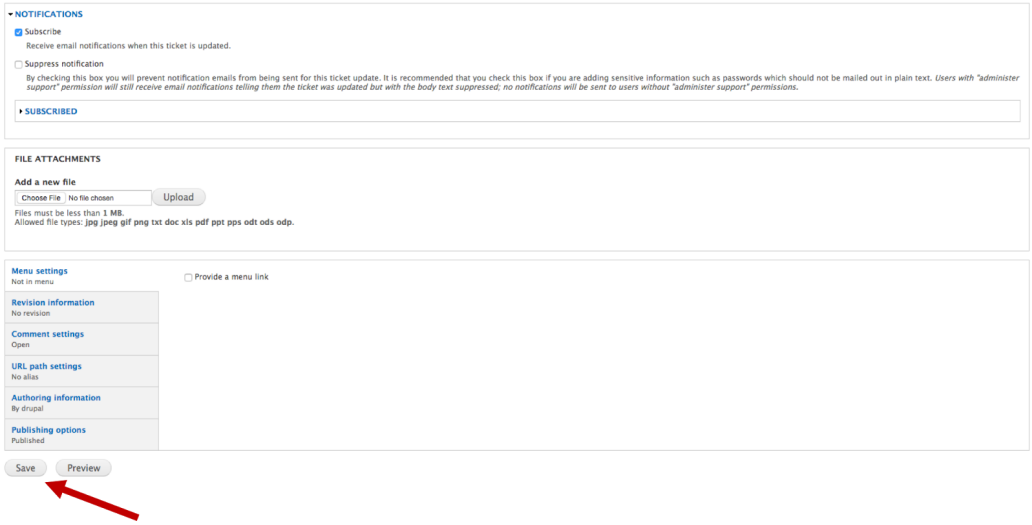
In your web browser, navigate to the following address:
http://192.168.2.2/node/add/support-ticket

If the 192.168.2.2 address does not work http://10.0.50.70/node/add/support-ticket.

Enter a title and message for your new help desk ticket.



Scroll down, upload and necessary files, and press save to submit your help desk ticket.

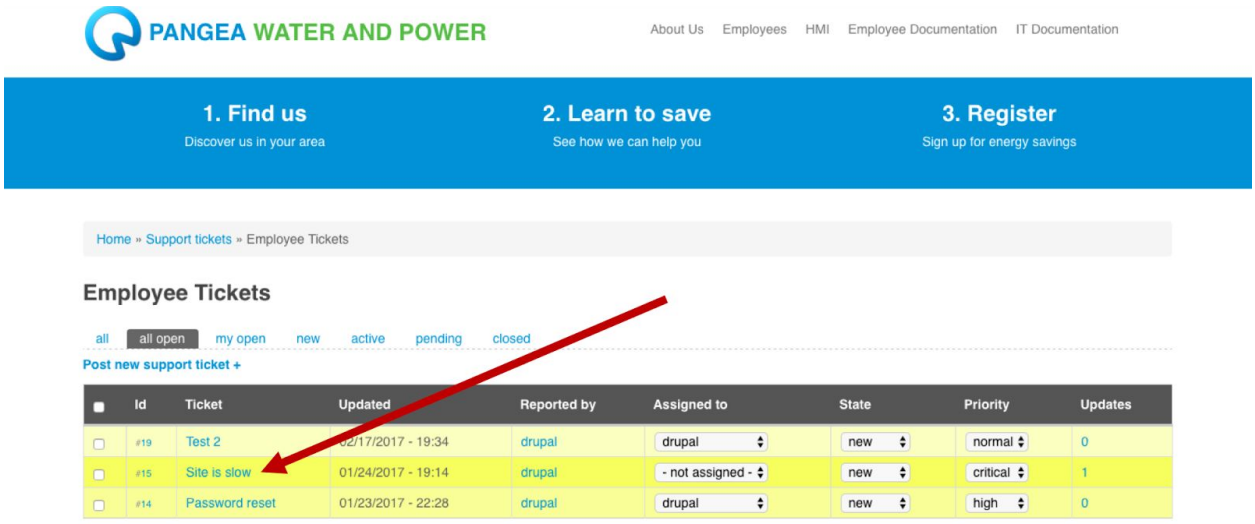


Answering Requests

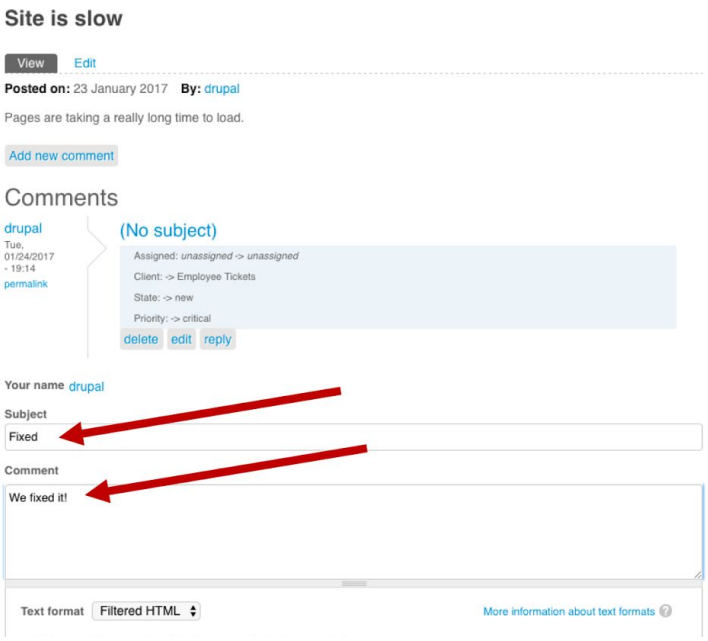
In your web browser, navigate to the following address: **http://192.168.2.2/support**

If the 192.168.2.2 address does not work please try **http://10.0.50.70/support.**

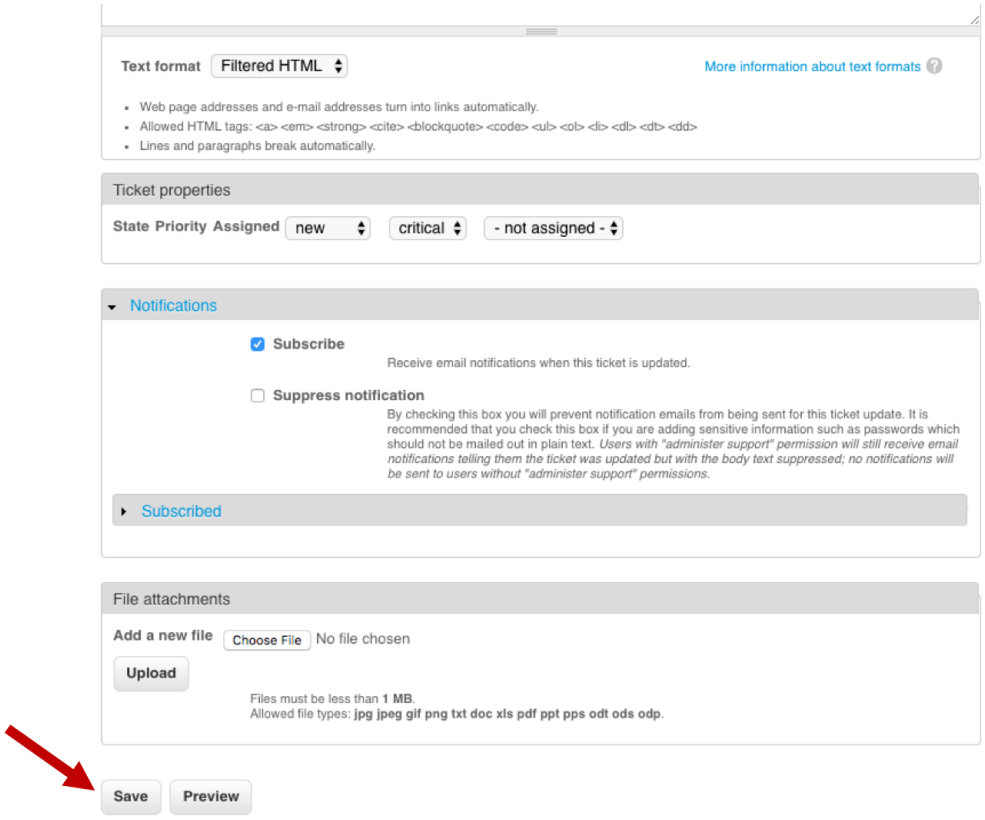
Click on a ticket you wish to comment/answer.



Below the post is the comment section where you can answer/comment on the help request. To comment, make sure you fill in both the Subject and Comment fields.



Once you've filled in all the required fields, click the save button at the bottom of the page to submit your comment/answer.



Email

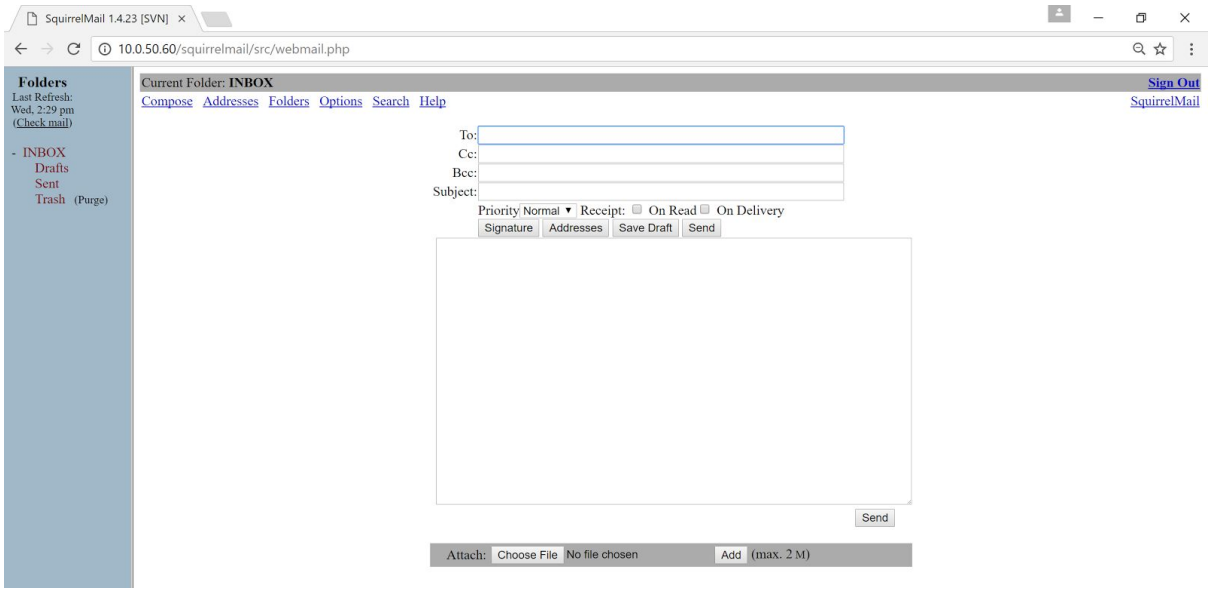
Logging in

To check and send email, go to 10.0.50.60 in your web browser. Enter your username in the name field and enter your password in the password field.

Sending email

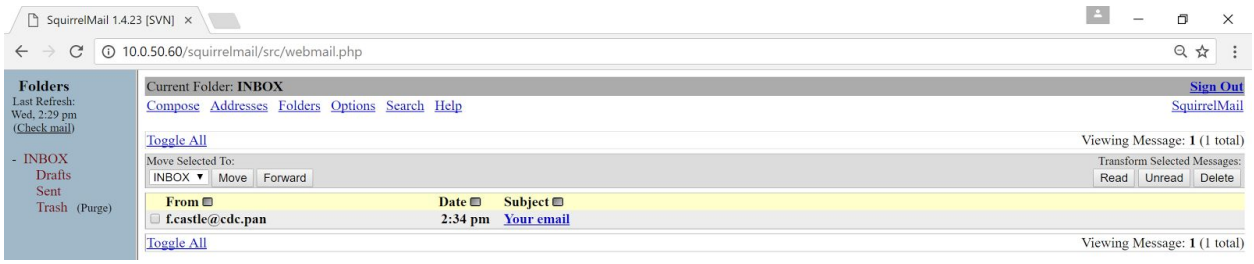
To send an email, click the compose button.

Enter the recipient's email address into the To: field, the subject into the Subject: field, and the body of the email into the large text box on the bottom. When you are done writing your email, click the send button.



Reading email

To read an email, click the blue subject link:



Emails will look like this:

Appendix

Employee Accounts

NAME	ROLE	BADGE#	EMAIL	PHONE	USERNAME	PASSWORD	PIN#
Frank Castle	CEO	4421	f.castle@cdc.pan	555-122-4121	f.castle	4&6w!R$HsV*HEZ2	8203
Lisa Delrose	Prime Minister	8723	l.delrose@cdc.pan	555-122-8723	l.delrose	z8AbDFMWe8fw&2d	7351
Chuck Wheeler	CIO	3637	c.wheeler@cdc.pan	555-122-3637	c.wheeler	vuF3hykRy@x868z	6211
James Hoyt	Secretary	5345	j.hoyt@cdc.pan	555-122-5345	j.hoyt	w4dgWVEU*86z44M	4914
Sandra Wilhelm !!PREVIOUSLY COMPROMISED!!	Maintenance	6365	s.wilhelm@cdc.pan	555-122-6365	s.wilhelm	MgHvBsW8$8Z7hqH	9361
Patricia Emerson	CSO	8373	p.emerson@cdc.pan	555-122-8373	p.emerson	e#6j29a*H57fkz^	5101
Piotre Luther	Grounds Keeper	2383	p.luther@cdc.pan	555-122-2383	p.luther	j7$t4A447!xMD^Z	6628
Karen Holmes	Security Officer	1122	k.holmes@cdc.pan	555-122-1122	k.holmes	3knPFdBvEjd6G!$	8819
Simon Smith	Intern	9923	s.smith@cdc.pan	555-122-9923	s.smith	hR!@p$pwUp7p@q2	2315
Jane Wright	Pump Technician	3342	j.wright@cdc.pan	555-122-3342	j.wright	3xn&zBZpYbSa8Gg	9274
Ted Fritz	Pump Technician	9121	t.fritz@cdc.pan	555-122-9121	t.fritz	G%@j9gSa8ZBq2Fd	4918
Crystal Licht	Electrical Engineer	2287	c.licht@cdc.pan	555-122-2287	c.licht	7jf4kdq3K^$*X&@	1029
Holly Peterson	Software Engineer	2342	h.peterson@cdc.pan	555-122-2342	h.peterson	RYVGEHX^m7Hg3$8	7384
Brad Wells	Web Design	1022	b.wells@cdc.pan	555-122-1022	b.wells	8UJnZ!qXjkS$t64	1946
Susan Taylor	Database Admin	3234	s.taylor@cdc.pan	555-122-3234	s.taylor	j43%@3UT$VKVD7D	1082

Passphrases

Note: If Blue team asks you to answer a challenge, please respond with the appropriate response below.

Challenge	**Response**
What is your favorite color?	I'm color blind.
Do you think Red team is listening?	Does it matter?