**IBM Cloud Essentials**

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| **Problem** | **Solution** |
| Error installing prerequisites on Windows: "bx.exe does not exist" | Run a standalone install for ibm cloud cli: <https://cloud.ibm.com/docs/cli?topic=cloud-cli-install-ibmcloud-cli> |
| Error during installation: "helm.exe is in use by another process" | Closed everything, stopped Docker, ran the install again, it worked. |
| *mvn* command is not recognized | Make sure the PATH is updated, and reboot your computer |
| Error running the command *bx login -a* [*https://api.ng.bluemix.net*](https://api.ng.bluemix.net/) : “You are using a federated user ID, please use one time passcode ( C:\Program Files\IBM\Cloud\bin\bx.exe login --sso ), or use API key ( C:\Program Files\IBM\Cloud\bin\bx.exe --apikey key or @key\_file ) to authenticate.”" | Use one-time passcode: *bx login -sso* |
| The command *bx login -sso* doesn't show the one-time password when you paste it. | The password is being pasted, but it is not visible. Copy (ctrl-c) the password from the browser, then paste (ctrl-v) it in the PowerShell prompt. It looks like nothing is happening, but press enter and it should work. Depending on the shell you use, you may need to do right-click instead of ctrl-v. |
| *cf services* command does not work | use *ibmcloud cf sevices* |
| Note: I was able to complete this course using Windows PowerShell, but other courses in the Cloud section may require installing Ubuntu wsl. |  |

**IBM Cloudant Learning Center**

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| The permissions tab does not exist. | The UI has changed. Now permissions are set through IAM. <https://cloud.ibm.com/iam> |
| The sample replication database does not exist. | The replication interface has changed. To replicate a sample database, I followed another tutorial at <https://developer.ibm.com/clouddataservices/docs/cloudant/replication/>. |
| Various problems with the *curl* command | I was unable to resolve this in PowerShell or cygwin. Using Ubuntu WSL instead has solved the problems. (Peter has helped me with this) |
| Error running *: sudo apt-get install jq* | Run update first: *sudo apt-get update* |
| *jq* does not work. | Remove all spaces in the command |
| Accessing Cloudant API from a browser | If the browser asks for credentials while you are trying to view the database, do not enter anything. It will corrupt your cookies. Instead, log out from the IBM cloud, re-start the browser, then log back in and try again.  If you already entered the credentials, you will need to clear the browser cookies and re-login to the IBM cloud. |