Brainspace Discovery 5.2.2

1. License Creation Instructions (Specific to MAC)

If you've previously created a license on your current Mac, skip to Section 2: Creating a License.

1. **License Creation Prerequisites**

    a. Obtain authorization for license from David Niemeyer.

    b. Download the Oracle Java 1.8 sdk for your Mac from *here*.

    c. Select MAC OS X x64 under the Java SE Development Kit 8u66 section.

    d. Go through basic installation process. Click **OK** once complete.

    e. Add Java Home to your bash profile (Link to what a bash_profile is and some useful info *here*)

        i. Start Terminal App

            A. go to **Applications >> Terminal** or **Command+SpaceBar** >> Type **Terminal** and choose **Terminal** from Apps list.

        ii. Type `nano .bash_profile`. This will open the .bash_profile document (or create it if it doesn't exist)

        iii. Place `export "JAVA_HOME=$(/usr/libexec/java_home)"` into nano page >> **CTRL+o** >> **ENTER** >> **CTRL+X**

    f. Create directory on your local HD

        i. With the Terminal still open:

            A. Type `cd` and **ENTER**

            B. Type `mkdir .purediscovery`

            C. Close Terminal (unless otherwise needed)

    g. Provide full path to of newly created `.purediscovery` folder to Tony, et.al.

        i. e.g. `Users/duff/.purediscovery`

    h. Retrieve osx_license file and place into the newly created `.purediscovery` folder via Terminal

        i. Example: If file is in Downloads folder then:

      A. Browse to `.purediscovery'` folder: `` `cd .purediscovery ``

      B. Run command to copy file from Downloads folder: `cp  /users/duff/ downloads/Duff_osx_license.txt .`

i. Retrieve `LicenseTool.zip` from Tony et al and extract to `Documents/ Brainspace/License` or preferred location

2. **Creating a license**

    a. Open Terminal

       i. Browse to location of `License-1.0-bin.jar` file (was in LicenseTool.zip) e.g. `cd Documents/Brainspace/Licenses/LicenseTools` then **ENTER**

      ii. type `java -jar License-1.0-bin.jar`

         A. you should have a new Java window

     iii. **NOTE:** ALL BOXES SHOULD ALWAYS BE CHECKED AS SHOWN IN THE SCREEN SHOT. ALL BOXES CHECKED EXCEPT FOR `NoUsageLogging`

     iv. **NOTE:** ALL LICENSES ARE TO BE AUTHORIZED BY **CHRIS ROHDE** OR **DEAN KUHLMANN**.

        A. **CONFIRM EXPIRATION DATE AND MAX DOCUMENTS**

     v. **License File**: path to, and name of, license to be created.

        A. It is best practice to place client Id and date in name. Always end name with `_license.txt`

     vi. **Customer ID:** unique ID for each customer

        A. **Create list of customer IDs for consistency**

        B. **NOTE:** If creating a license for a Brainspace developer, you will want to make the customer id, `PureDiscovery` This gives access to ALL the BatchTools commands. (Some are hidden from clients)

    vii. **Expiration Date**: Date the license will expire.

        A. BD will no longer work after this date

        B. Expiration date is actually at midnight of that day, in other words before the day actually begins."expires": "Dec 7, 2015" This license will be useless as of Dev 7, 2015. For this reason, it is best practice to add one day to the day requested. It is also a good idea to set the expiration date to 1/4/(following year) instead of 1/1 in case there are issues on New Year's Day (Thanks Chris!!)

  C. Ensure an ANYMAC address is set to expire 90 days from issuance.

  D. This is to be authorized by **Chris Rohde** or **Dean Kehlmann**

viii**Use By Date**: License must be used before this date.

  A. "Used" is determined by the running of the create-audit command

  B. Date should be no more than 5 days from license creation date

ix. **PureDiscovery Directory**: Home directory of the user Brains, on machine running BD, `+ /.purediscovery` or `/.brainspace`

  A. 5.2.2 and prior: it should almost always be `/var/lib/ brains/.purediscovery` for a client.

  B. 5.3 and later:, it should almost always be `/var/lib/brains/.brainspace` for a client

  C. If internal (Brainspace employee), ask for their local MAC address.

x. **Max Documents:** Number of documents that can be in BD at one time.

  A. Example: If my Max Documents is set to 1 million and I place 1 million documents into BD then I cannot place any more BUT if I delete 500k then I can add 500k again whether they are the same documents or not

  B. This is to be authorized by **Chris Rohde** or **Dean Kehlmann**

xi. **Max Total Documents:** Number of total documents that have been placed into BD. This is typically left blank as licenses are not limited by characters.

  A. If one document was placed in, then deleted, then placed in again; the total would be 2

xii.**Max Total Chars:** Number of total characters from all incoming files. This is typically left blank as licenses are not limited by characters.

xiii**MAC Addresses:** You will list, with a carriage return after each entry, the MAC addresses pertaining to the client's environment.

  A. There will be one MAC address for a single server instance and three or more for a multi server instance.

  B. The MAC address(es) can be obtained directly from the client or as a result of the Site Survey script

  C. In the rare occurrence of a necessary ANYMAC license, type "<any>", without quotes, into the box

      D. Ensure an ANYMAC address is set to expire 90 days from issuance.

xiv After completing the options and obtaining authorization, click Sign and Save File

      A. You may be prompted to rename the file with `_license` at the end. If you are, select Rename

xv. A new window will appear: Open **Private Signing Key**

      A. Select `private.key` and click **Open**

      B. Click **OK** at the "license saved" pop-up

xvi **NOTE::** This is a certificate based licensing, our code looks for a file signed by that private.key file. If the license text file is altered in any way it will alter the hash of said file and the license will no longer be usable.

b. **Additional Information**

   i. Along with the license, the following replacement instructions link should be sent to the client. *https://support.brainspace.com/hc/en-us/articles/205330166-Updating-Your-License*