How to Install SalesforceXytoolsForSublime

SalesforceXytoolsForSublime

SalesforceXytoolsForSublime is Rapid development tools for Salesforce Development.

- Create Salesforce Project, Retrieve Metadata, Search Metadata
- Create ApexClass, ApexTrigger, ApexComponent, Refresh, Diff with Server(Support winmerge diff), Save to Server, Deploy to Server
- SObject Viewer, SObject Description, Export SOjbect Fields to Excel
- Run SOQL Query, Tooling Query, Apex Script.
- Code Creator : Auto Create Apex Test Class Code, Auto Create Test Data For Apex Test Class.
- SFDC Dataviewer, SFDC Online Dataviewer.
- Atuo Login SFDC (two login type: oauth2 , password config).
- Quick local sfdc file from sublime.
- Quick Search SObject Data/SObject Setting/ApexClass/Trigger/VisualForce Page/VisualForce Components/Email Template/Static Resource and open on browser Quickly
- Package.xml Builder.
- Build Release Package.
- Integrate Sfdc Dataloader, Config DataLoader and Run (**Need Ant and Java Environment**)

  Set your schedule, backup your sfdc data.
- Integrate Sfdc Migration Tool (**Need Ant and Java Environment**)
- Auto Backup all metadata script(**Set your schedule, backup your sfdc metadata.**).

How to Install

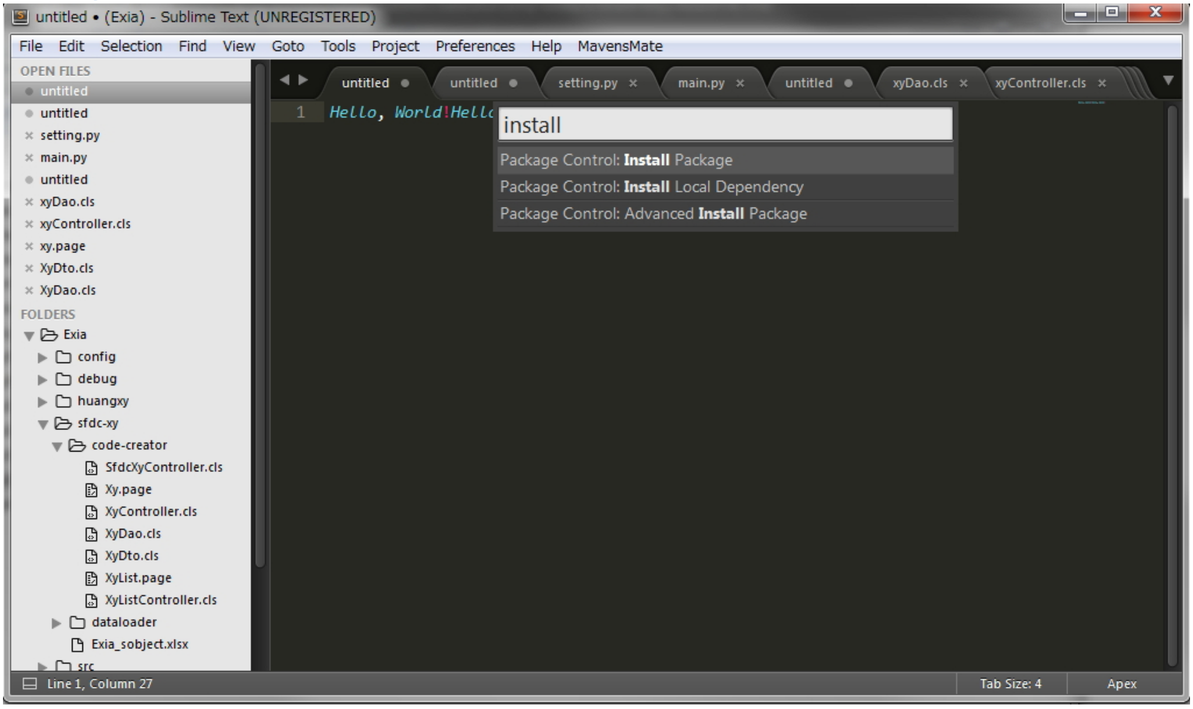
Prerequisites

- Sublime Text 3 http://www.sublimetext.com/3
- Sublime Text Package Control https://packagecontrol.io/installation

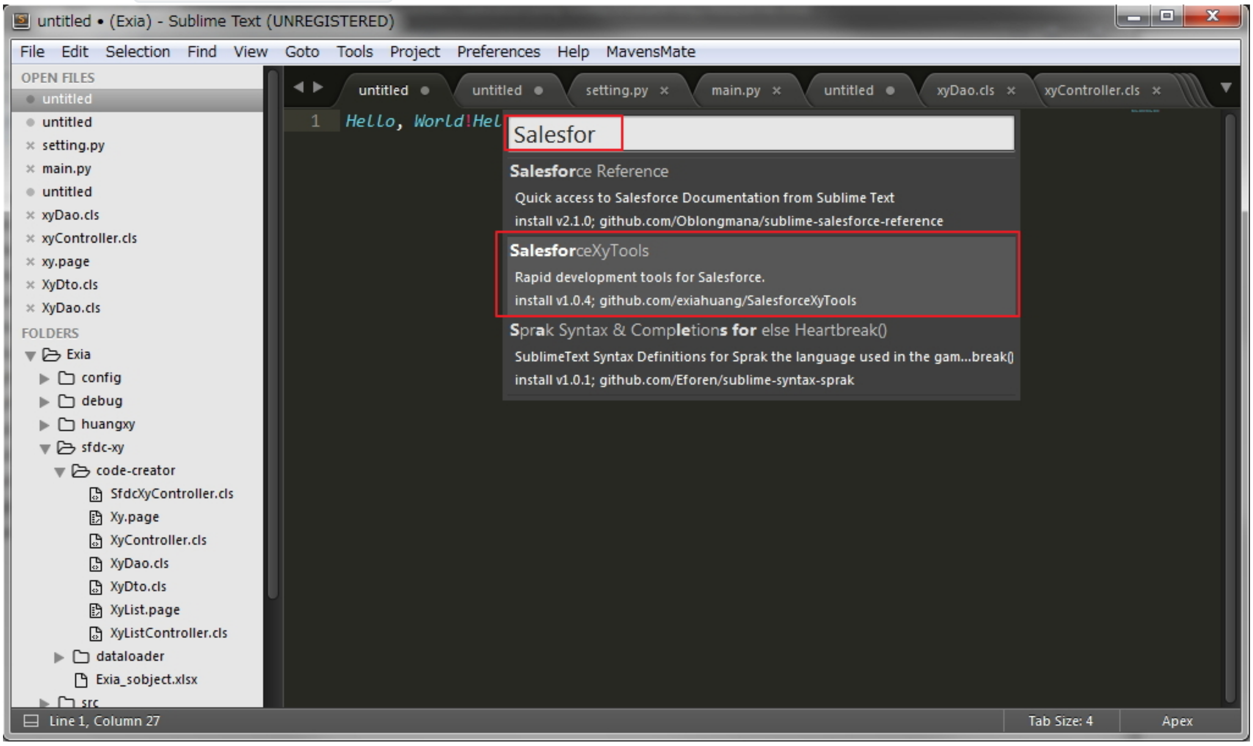
Use Package Control to Install

1. Open Sublime Text 3
2. Run `Package Control: Install Package` command

3. ○ [Running commands from Sublime Text]



4. Search for `SalesforceXyTools`

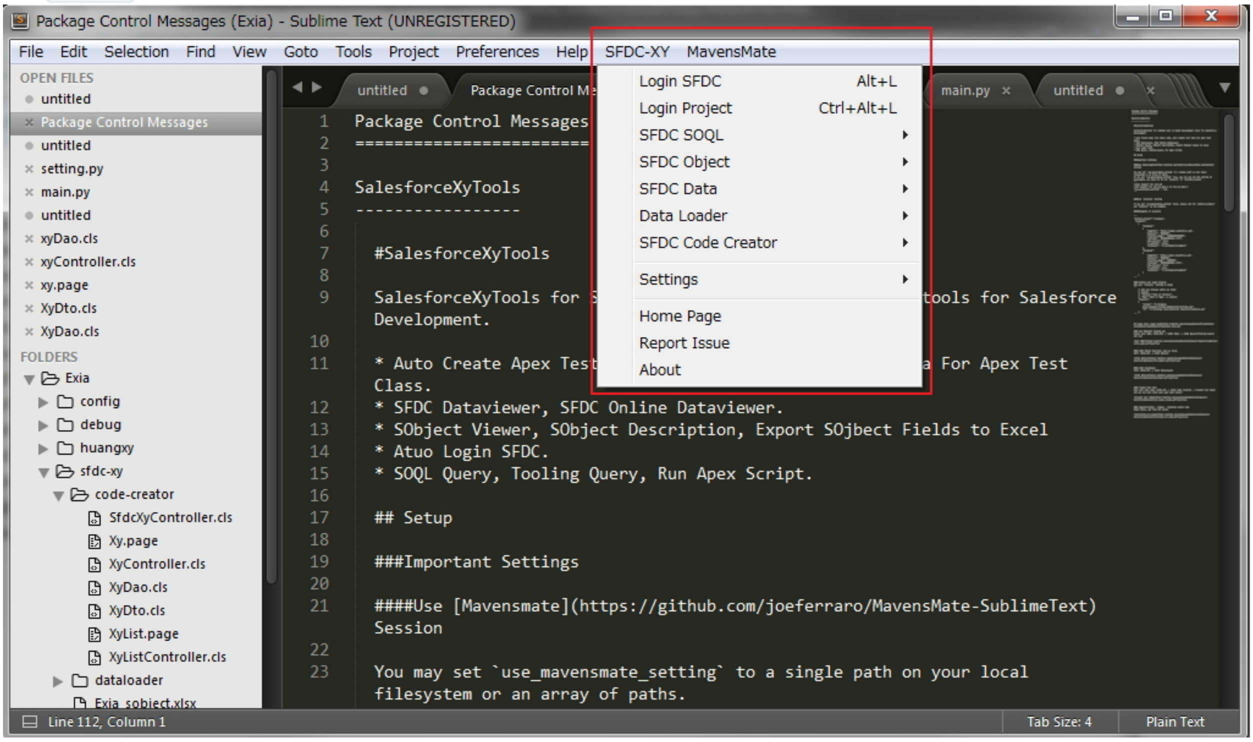


Salesforce Reference
Quick access to Salesforce Documentation from Sublime Text
install v2.1.0; github.com/Oblongmana/sublime-salesforce-reference

SalesforceXyTools
Rapid development tools for Salesforce.
install v1.0.4; github.com/exiahuang/SalesforceXyTools

Sprak Syntax & Completions for else Heartbreak()
SublimeText Syntax Definitions for Sprak the language used in the gam...break()
install v1.0.1; github.com/Eforen/sublime-syntax-sprak

5. Hit `Enter`, That is all.



```
Package Control Messages
========================

SalesforceXyTools
-----------------

  #SalesforceXyTools

  SalesforceXyTools for S                                tools for Salesforce
  Development.

  * Auto Create Apex Test                              a For Apex Test
  Class.
  * SFDC Dataviewer, SFDC Online Dataviewer.
  * SObject Viewer, SObject Description, Export SOjbect Fields to Excel
  * Atuo Login SFDC.
  * SOQL Query, Tooling Query, Run Apex Script.

  ## Setup

  ###Important Settings

  ####Use [Mavensmate](https://github.com/joeferraro/MavensMate-SublimeText)
  Session

  You may set `use_mavensmate_setting` to a single path on your local
  filesystem or an array of paths.
```

Suggestion

If you want to use `ant-dataloader` or `ant-migration tools`, I suggest you to install `java` and `ant`

Install java

just install it...

Please set your `JAVA_HOME`

Installing Apache Ant

[Installing Apache Ant]

To get up and running with the binary distribution of Ant quickly, follow these steps:

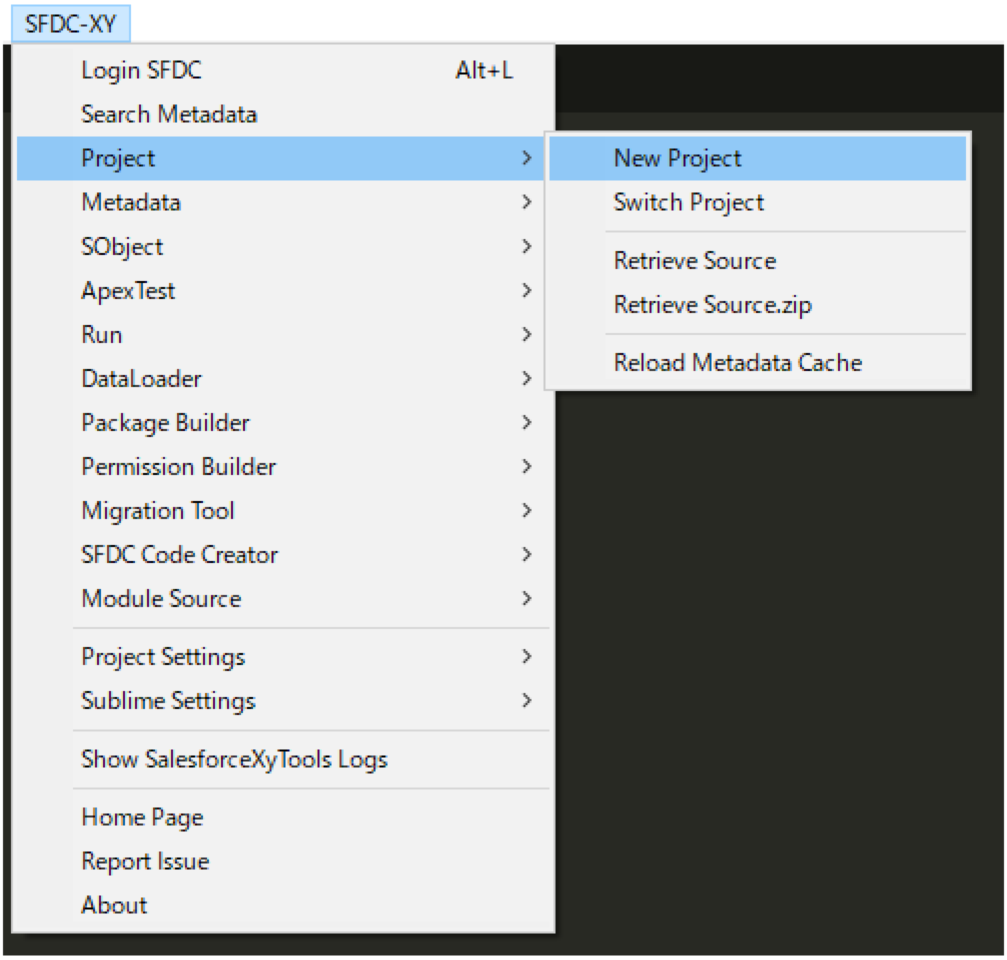
1. Make sure you have a Java environment installed. See System Requirements for details.
2. Download Ant. See Binary Distribution for details.
3. Uncompress the downloaded file into a directory.
4. Set environmental variables: `JAVA_HOME` to your Java environment, `ANT_HOME` to the directory you uncompressed Ant to, and add ${ANT_HOME}/bin (Unix) or %ANT_HOME%/bin (Windows) to your `PATH`. See Setup for details.
5. Optionally, from the `ANT_HOME` directory run ant -f fetch.xml -Ddest=system to get the library dependencies of most of the Ant tasks that require them. If you don't do this, many of the dependent Ant tasks will not be available. See Optional Tasks for details and other options for the -Ddest parameter.
6. Optionally, add any desired Antlibs. See Ant Libraries for a list.

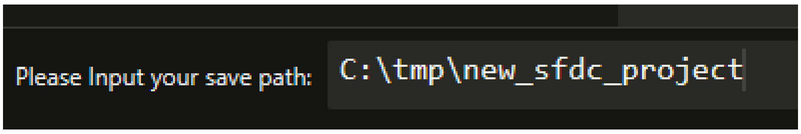
How to Config SalesforceXytoolsForSublime

How to Config

SalesforceXytoolsForSublime

New Project

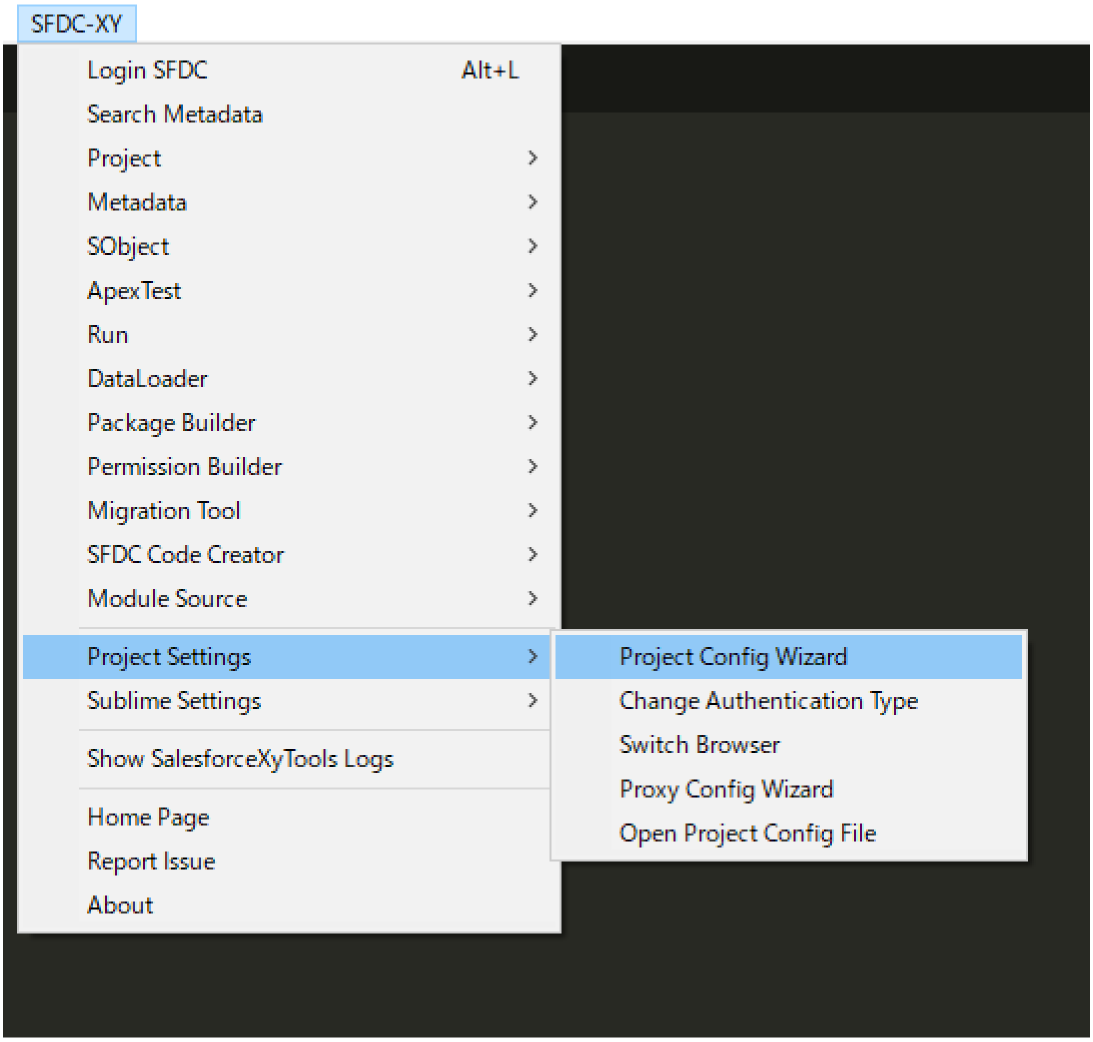




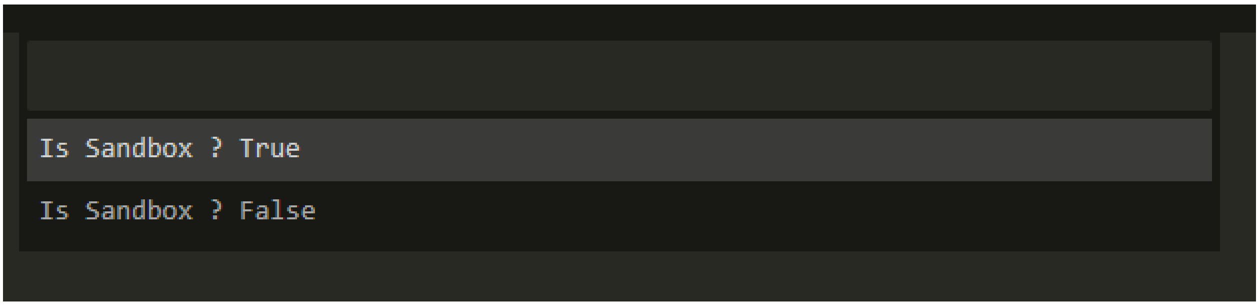
Please Input your save path: C:\tmp\new_sfdc_project

Config Project

Project Setting > Project Config Wizard

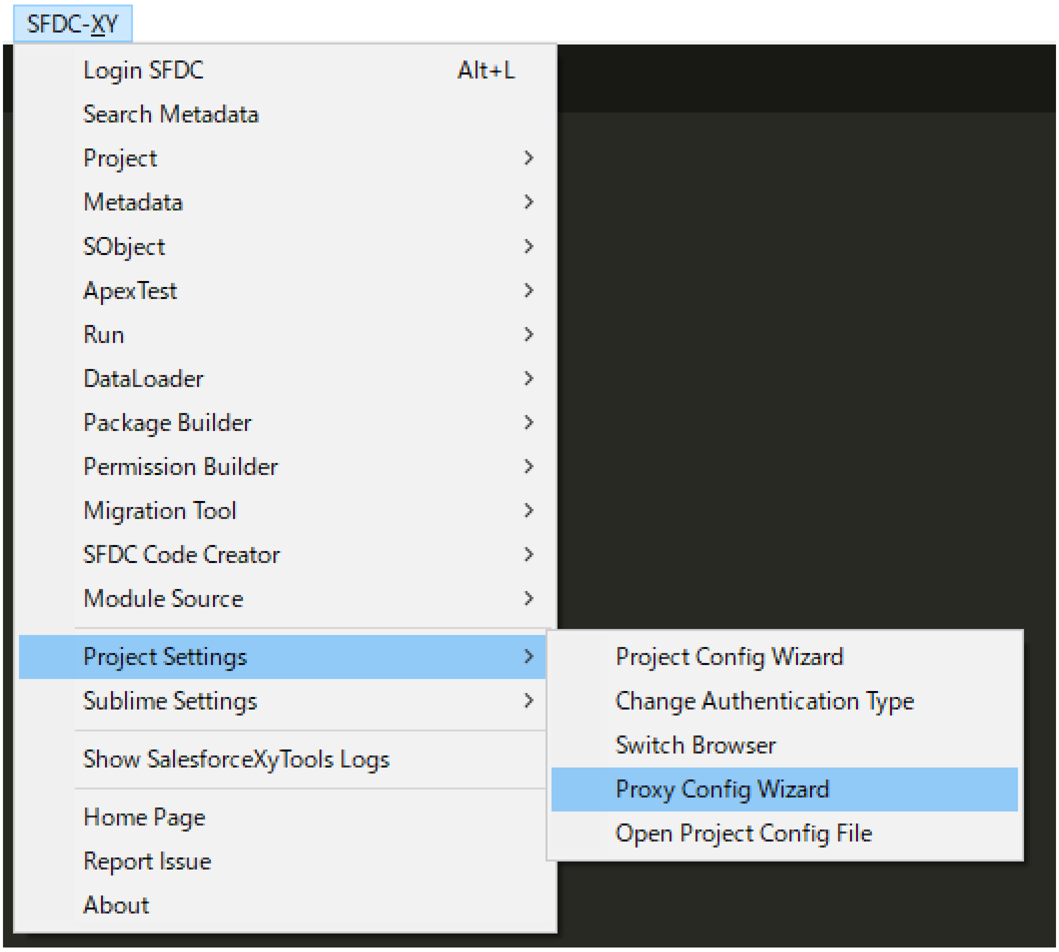


- Select Sandbox Or Product
- Input your username
- Input your password
- Input your security_token. If you haven't security_token, let it blank
- Select your API Version



Proxy Config

Project Setting > Proxy Config Wizard

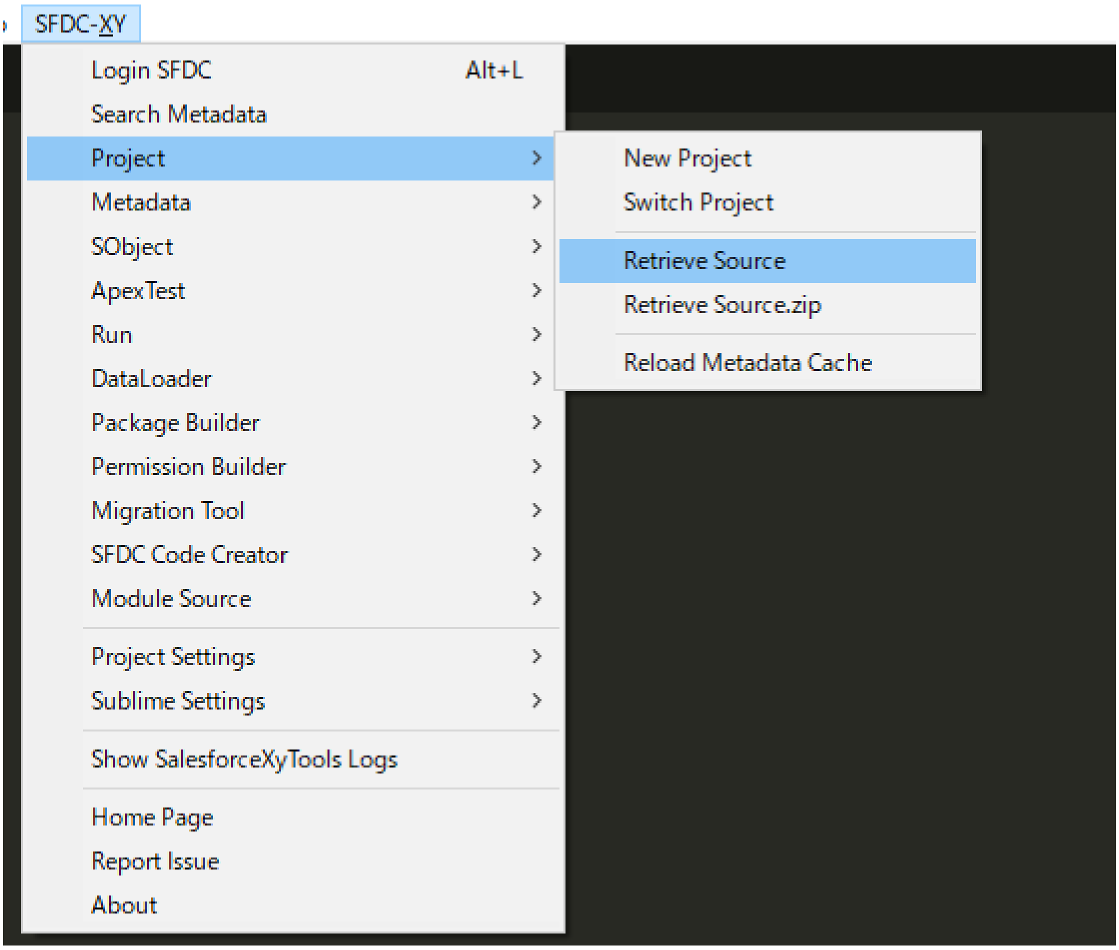


Start to develop sfdc

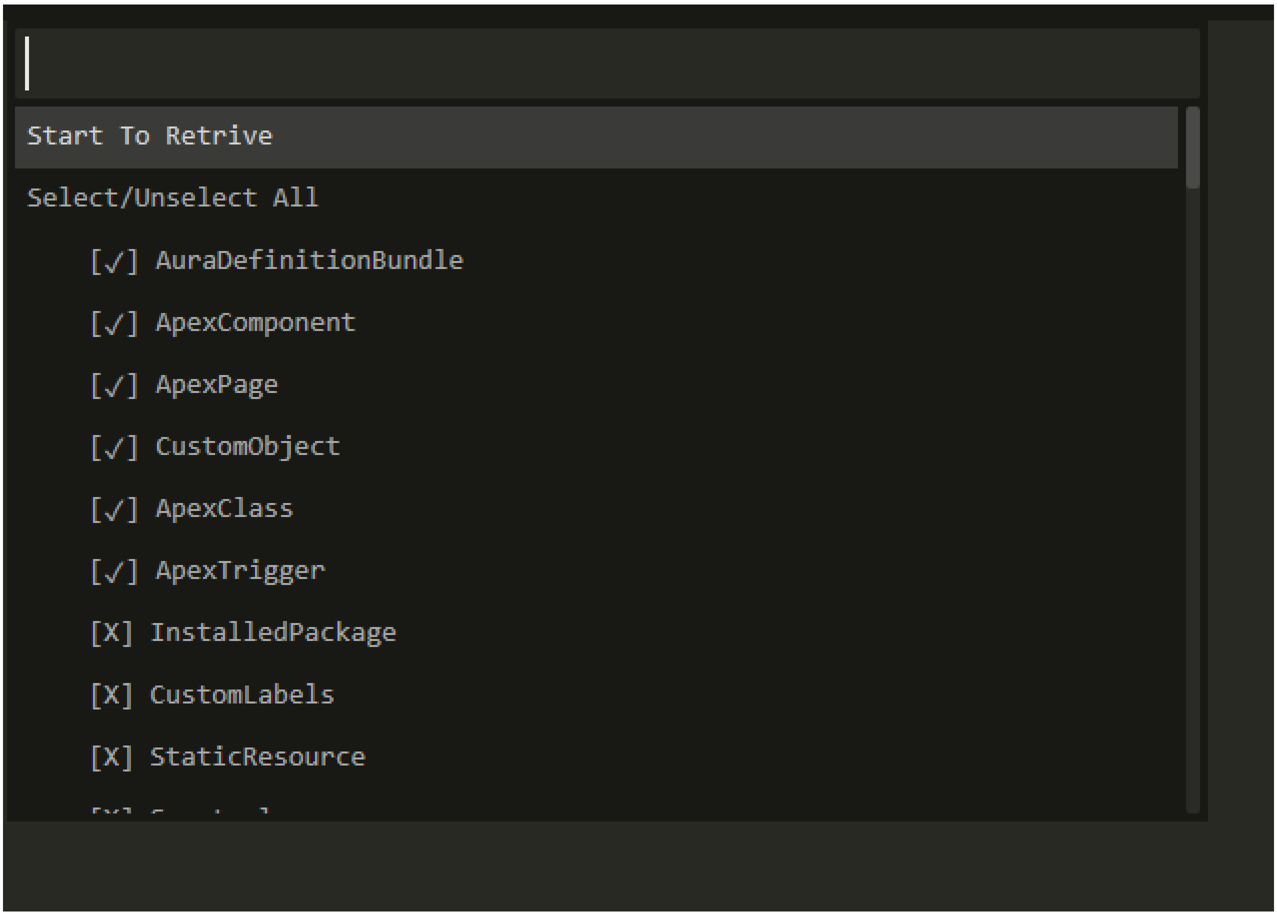
Login Test

SFDC > Login SFDC

Retrieve Metadata



Select metadata to retrieve



Start To Retrive

Select/Unselect All

[✓] AuraDefinitionBundle

[✓] ApexComponent

[✓] ApexPage

[✓] CustomObject

[✓] ApexClass

[✓] ApexTrigger

[X] InstalledPackage

[X] CustomLabels

[X] StaticResource

And Click `Start To Retrive`

Modify the config file.

You also can modify the config file in `/.xyconfig/xyconfig.json`. You can use `Project Settings > Open Project Config File`. Each project has a config file.

```
{
    "username": "input your username",
    "password": "input your password",
    "security_token": "",
    "is_sandbox": true,
    "api_version": 40.0,
    "src_dir": "src",
    "authentication": "password",
    "jar_home": "C:\\Users\\exia\\salesforce-project\\jar",
    "use_os_terminal": false,
    "auto_save_to_server": false,
    "app" : {
        "winmerge": "C:\\Program Files (x86)\\WinMerge\\WinMergeU.exe",
        "notepad": "C:\\Program Files (x86)\\Notepad++\\notepad++.exe {file_name}",
        "Bash" : "cmd /k cd /d {file_dir}"
    },
    "default_browser": "chrome",
    "browsers": {
        "chrome": "C:\\Program Files (x86)\\Google\\Chrome\\Application\\chrome.exe",
        "IE": "C:\\Program Files\\Internet Explorer\\iexplore.exe"
    },
    "debug_levels": {
        "Apex_Code": "DEBUG",
        "Callout": "INFO",
        "Workflow": "INFO",
        "Apex_Profiling": "INFO",
        "Validation": "INFO",
        "DB": "Info",
        "System": "DEBUG"
    },
    "proxy": {
        "use_proxy" : false,
        "proxyhost" : "127.0.0.1",
        "proxyport" : "8888",
        "proxyuser" : "proxyuser",
        "proxypassword" : "proxypassword"
    }
}
```

Config your login Browser

Add your `browsers` setting as below. You can use `Project Settings > Switch Broswer` to set your default browser.

```
// Add your browser which you like!
// examle:
// "firefox":"Path of firefox!",
"browsers":
{
    "chrome": "C:\\Program Files\\Google\\Chrome\\Application\\chrome.exe",
    "IE": "C:\\Program Files\\Internet Explorer\\iexplore.exe",
    "Firefox": "C:\\Program Files\\Firefox.exe"
},
```

Use Oauth2 to access sfdc.

If you want to use oauth2 to access salesforce, please click `Project Settings > Change Authentication Type` to set your authentication type.

Use SalesforceXytoolsForSublime to develop SFDC

Topic

- Use SalesforceXytoolsForSublime to develope sfdc

> 1. create/update/delete/refresh local file : ApexClass, ApexTrigger, ApexPage, ApexComponent
> 2. Diff between localhost and server
> 3. Open metadata in sfdc
> 4. Deploy : ApexClass, ApexTrigger, ApexPage, ApexComponent, Lightning
> 5. Run Test Class

Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

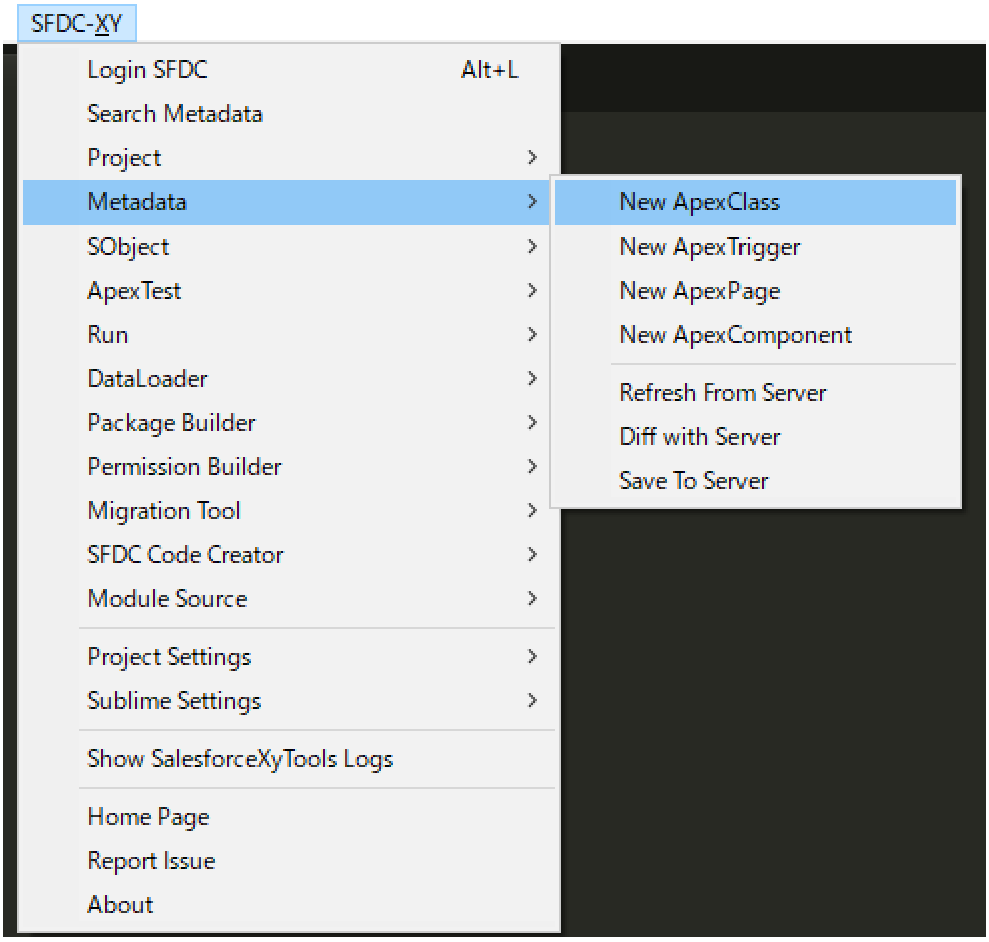
Start Develope

Create ApexClass

This is an example of batch apexclass.

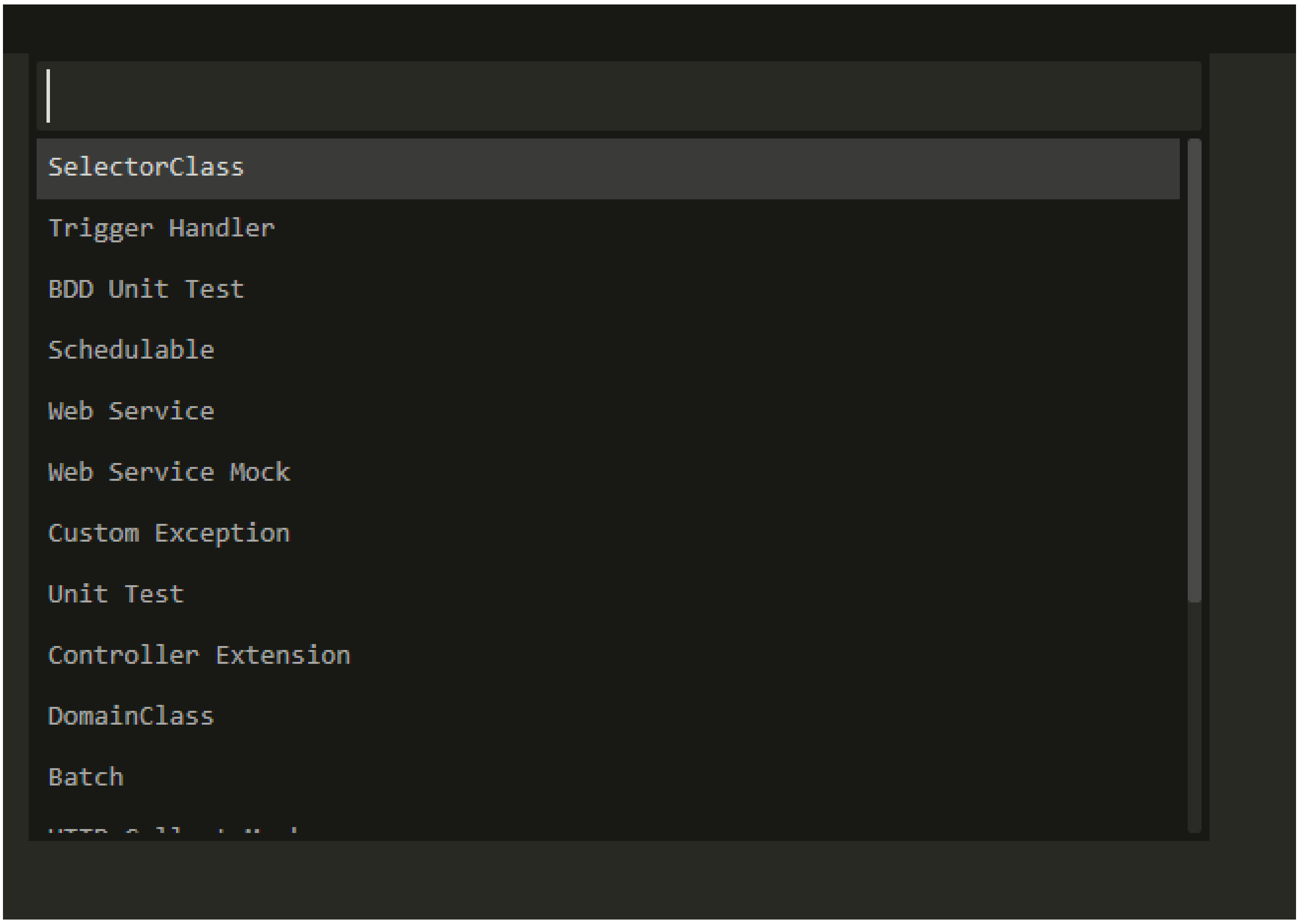
Step1. New ApexClass

Metadata > New ApexClass

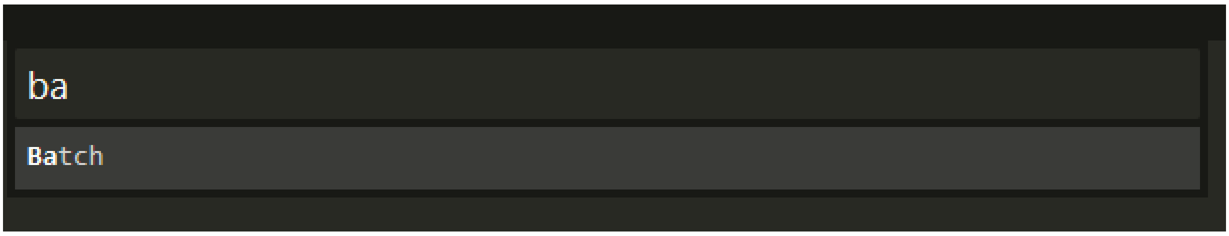


> Tips : Create ApexClass, ApexTrigger, ApexPage, ApexComponent in the same way

Step2. Select Apex template



> Tips: search batch



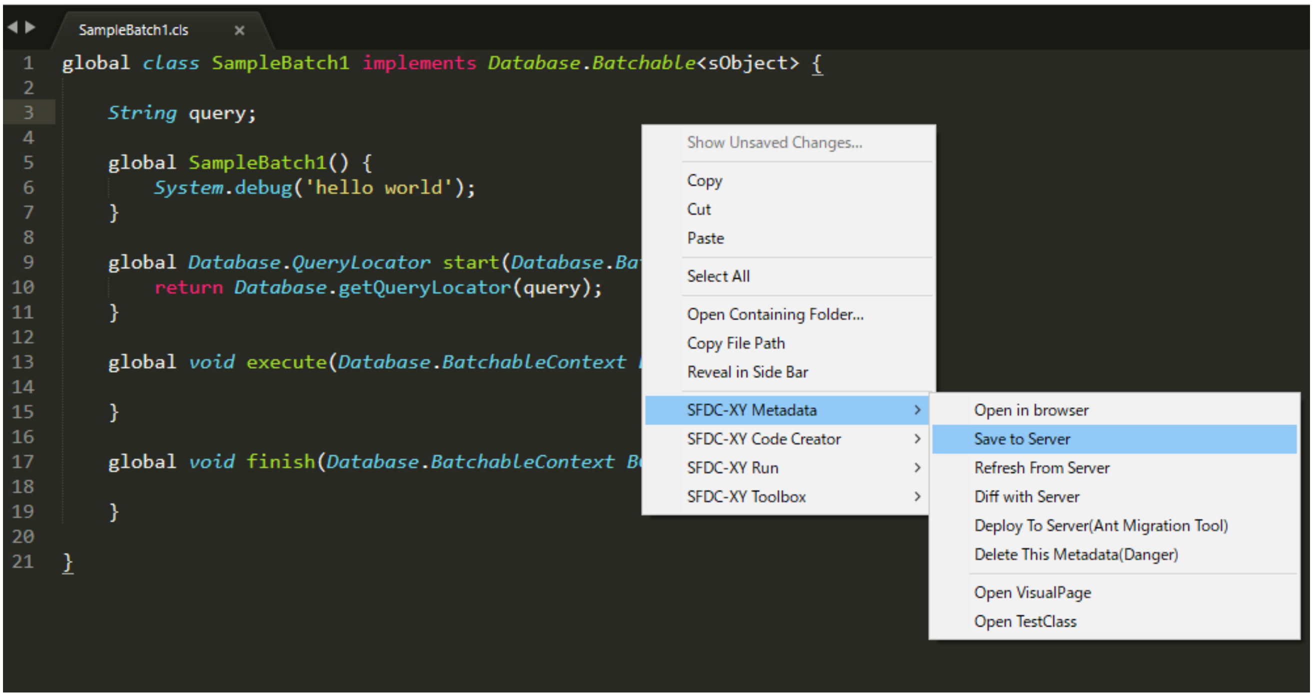
Input your batch name

```
global class SampleBatch1 implements Database.Batchable<sObject> {

    String query;

    global SampleBatch1() {

    }

    global Database.QueryLocator start(Database.BatchableContext BC) {
        return Database.getQueryLocator(query);
    }

    global void execute(Database.BatchableContext BC, List<sObject> scope) {

    }

    global void finish(Database.BatchableContext BC) {

    }

}
```

Update ApexClass

Change your apexclass,

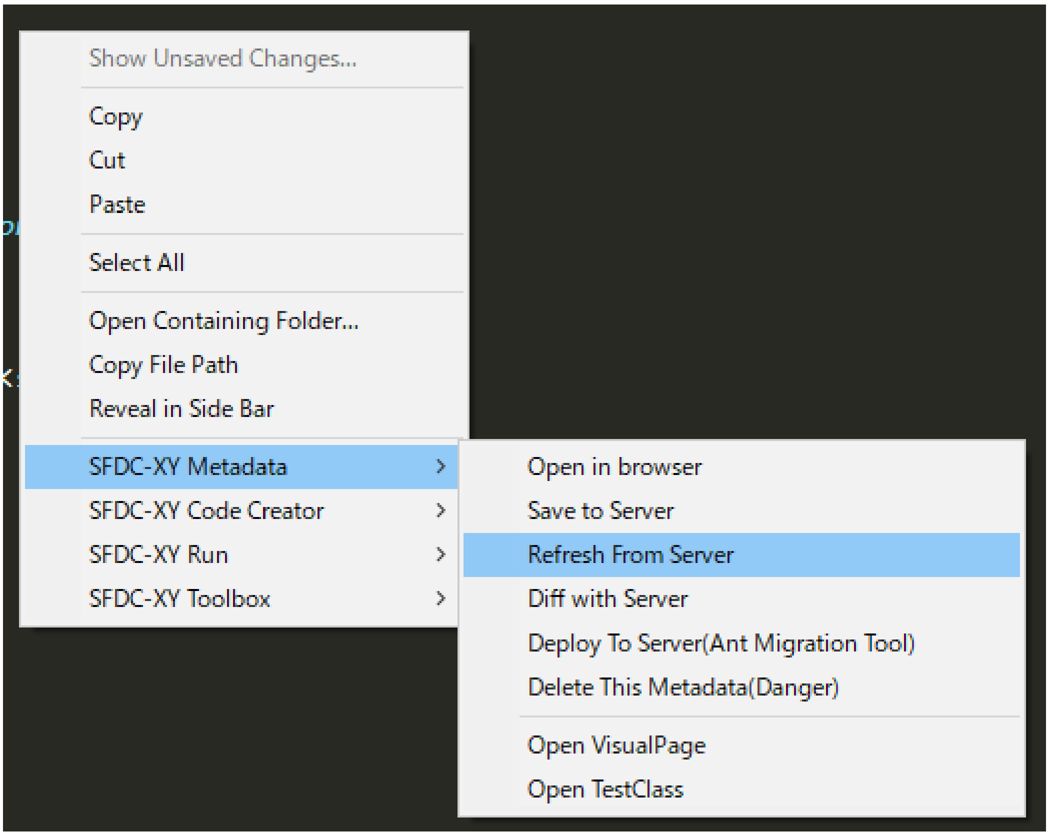
Right click, `SFDC-XY Metadata` > `Save To Server`



```
global class SampleBatch1 implements Database.Batchable<sObject> {

    String query;

    global SampleBatch1() {
        System.debug('hello world');
    }

    global Database.QueryLocator start(Database.Ba
        return Database.getQueryLocator(query);
    }

    global void execute(Database.BatchableContext

    }

    global void finish(Database.BatchableContext B

    }

}
```

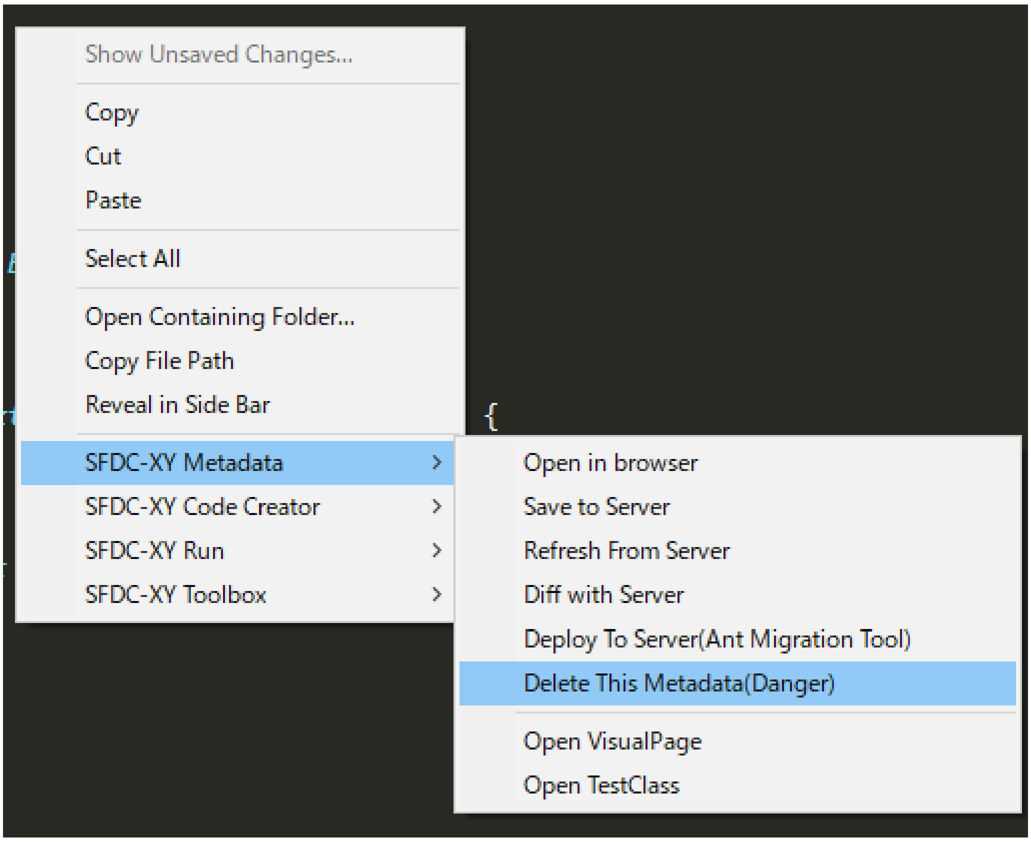
Refresh From Server

Right click, `SFDC-XY Metadata` > `Refresh From Server`

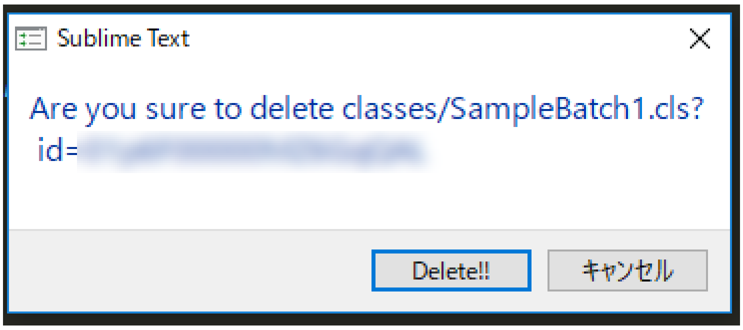


Delete

Right click, `SFDC-XY Metadata` > `Delete this metadata(Danger)`



It will pop up a dialog like this.



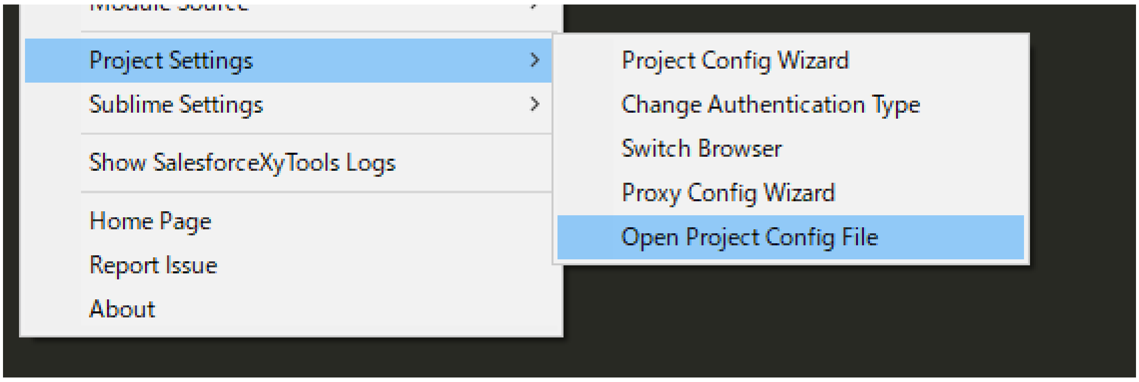
Sublime Text

Are you sure to delete classes/SampleBatch1.cls?
id=[redacted]

Diff between localhost and server

Config your Winmerge

`Project Setting` > `Open Project Config file`

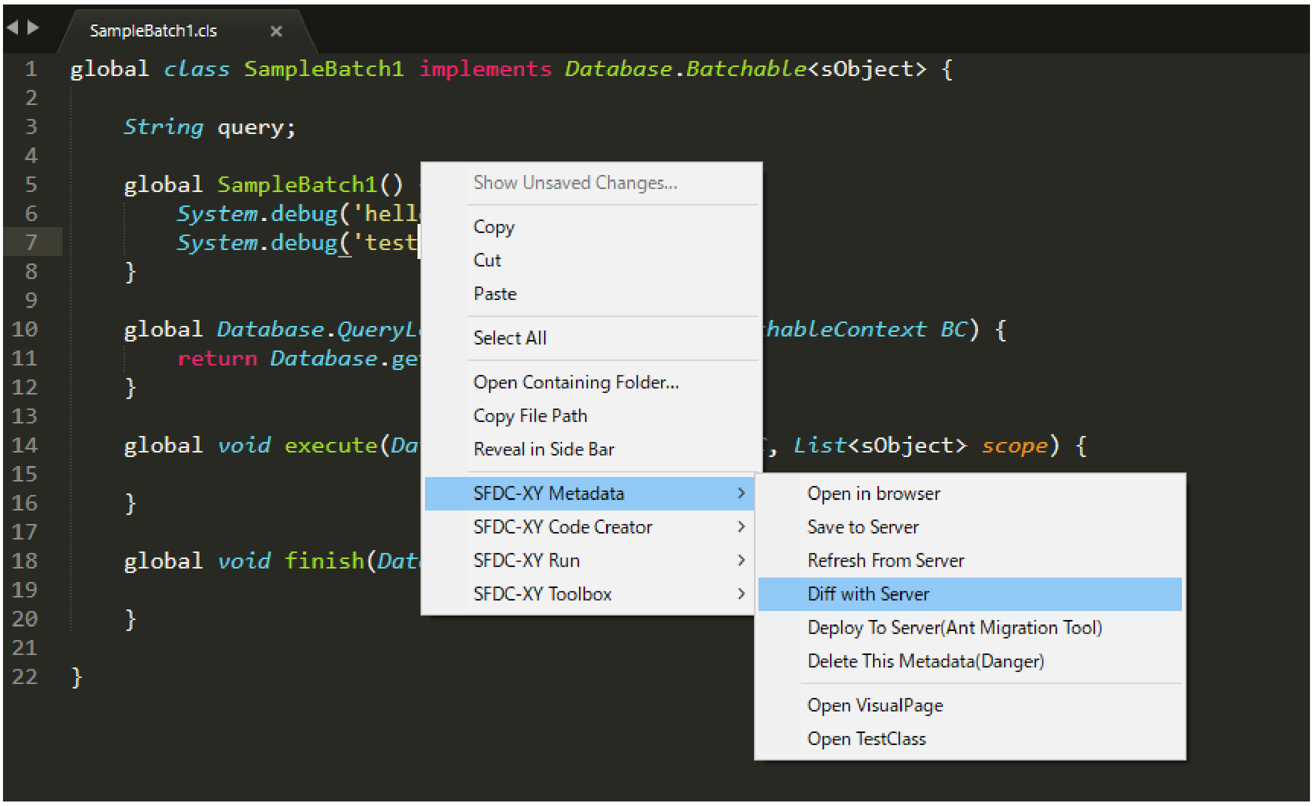


set your `winmerge` like below.

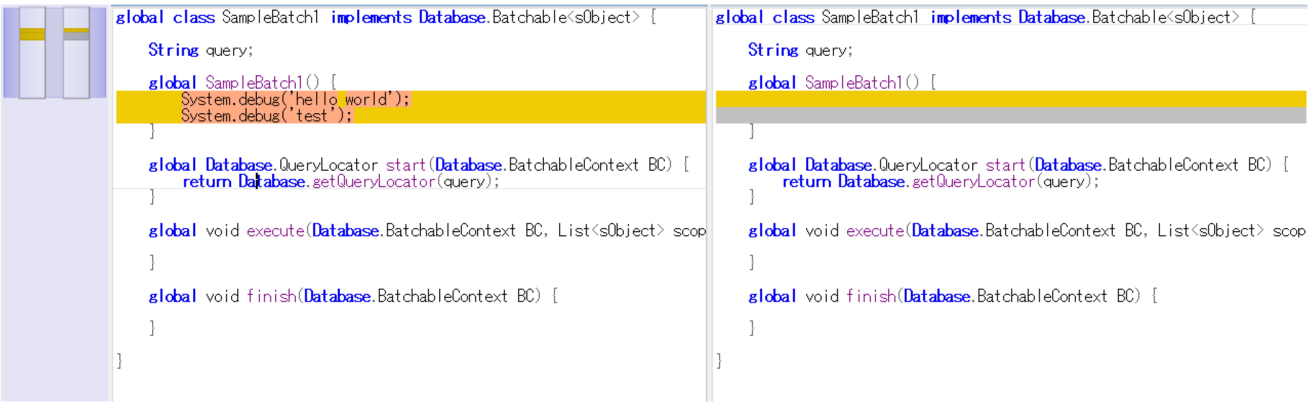
```
.......
    "app": {
        "Bash": "cmd /k cd /d {file_dir}",
        "winmerge": "C:\\Program Files (x86)\\WinMerge\\WinMergeU.exe",
        "notepad": "C:\\Program Files (x86)\\Notepad++\\notepad++.exe {file_name}"
    },
.......
```

Diff source

Right click, `SFDC-XY Metadata` > `Diff with Server`



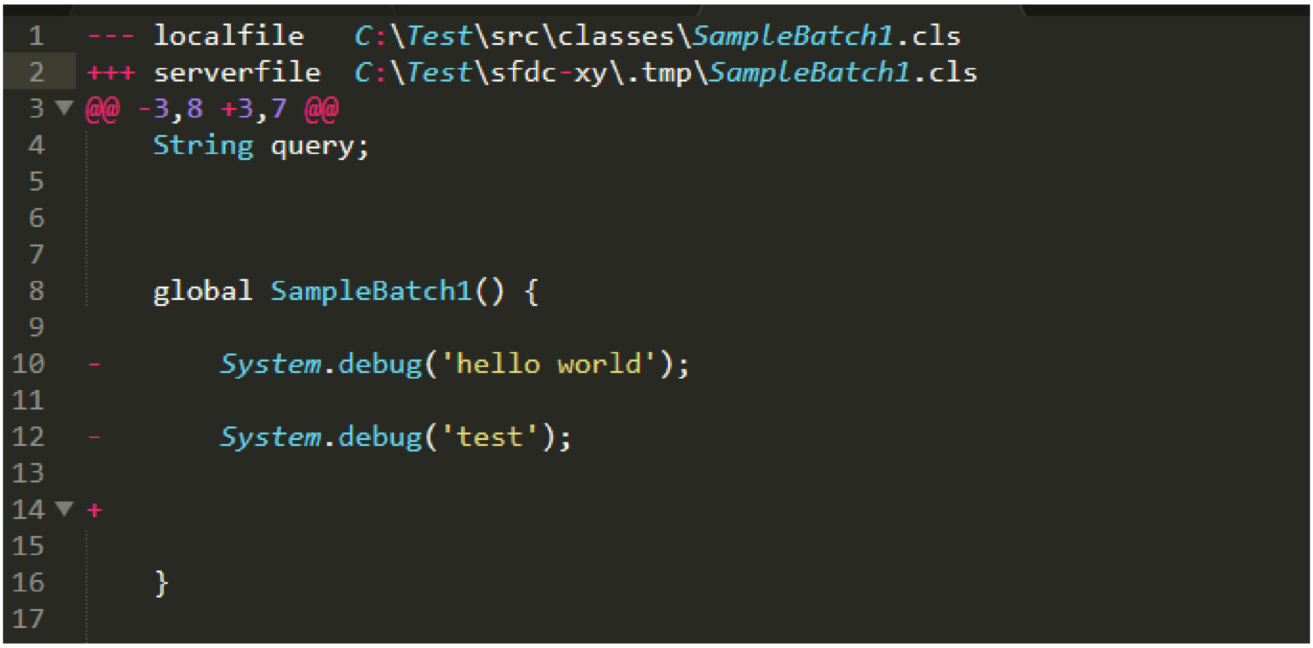
```
global class SampleBatch1 implements Database.Batchable<sObject> {

    String query;

    global SampleBatch1()
        System.debug('hell
        System.debug('test
    }

    global Database.QueryL                    hableContext BC) {
        return Database.ge
    }

    global void execute(Da                    , List<sObject> scope) {

    }

    global void finish(Dat

    }

}
```



```
global class SampleBatch1 implements Database.Batchable<sObject> {

    String query;

    global SampleBatch1() {
        System.debug('hello world');
        System.debug('test');
    }

    global Database.QueryLocator start(Database.BatchableContext BC) {
        return Database.getQueryLocator(query);
    }

    global void execute(Database.BatchableContext BC, List<sObject> scop

    }

    global void finish(Database.BatchableContext BC) {

    }

}
```

```
global class SampleBatch1 implements Database.Batchable<sObject> {

    String query;

    global SampleBatch1() {


    }

    global Database.QueryLocator start(Database.BatchableContext BC) {
        return Database.getQueryLocator(query);
    }

    global void execute(Database.BatchableContext BC, List<sObject> scop

    }

    global void finish(Database.BatchableContext BC) {

    }

}
```

if you do not set `winmerge`, it will use simple diff.

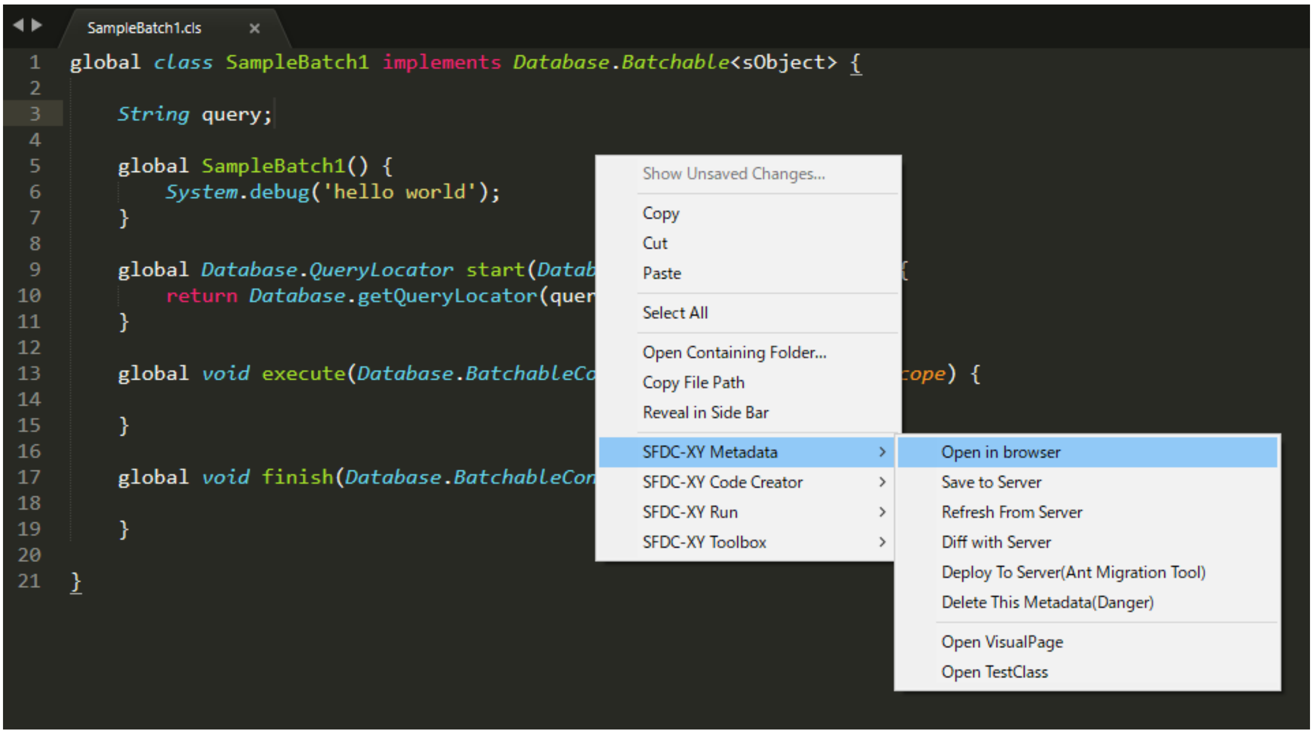


```
--- localfile   C:\Test\src\classes\SampleBatch1.cls
+++ serverfile  C:\Test\sfdc-xy\.tmp\SampleBatch1.cls
@@ -3,8 +3,7 @@
     String query;



     global SampleBatch1() {

-        System.debug('hello world');

-        System.debug('test');

+

     }

```

Find your source in sfdc

Right click, `SFDC-XY Metadata` > `Save To Server`

It will go to sfdc source page.

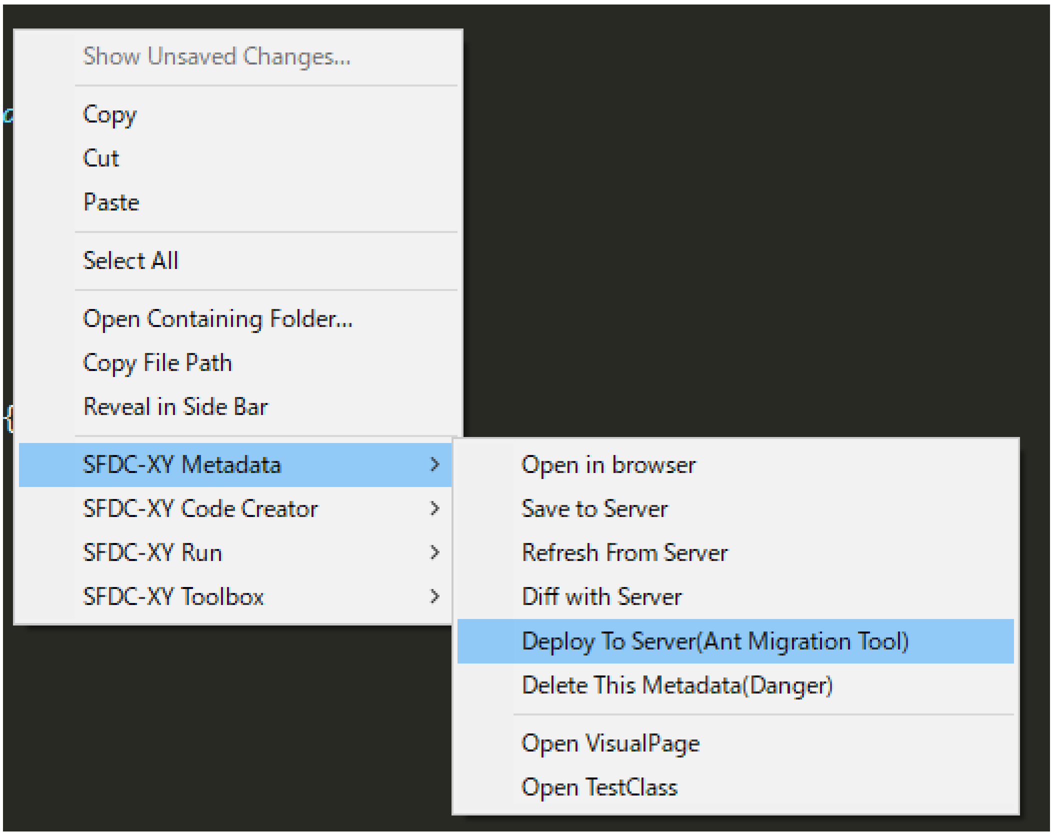


```
global class SampleBatch1 implements Database.Batchable<sObject> {

    String query;

    global SampleBatch1() {
        System.debug('hello world');
    }

    global Database.QueryLocator start(Datab                                   {
        return Database.getQueryLocator(quer
    }

    global void execute(Database.BatchableCo                                   ope) {

    }

    global void finish(Database.BatchableCon

    }
}
```

Deploy To SFDC

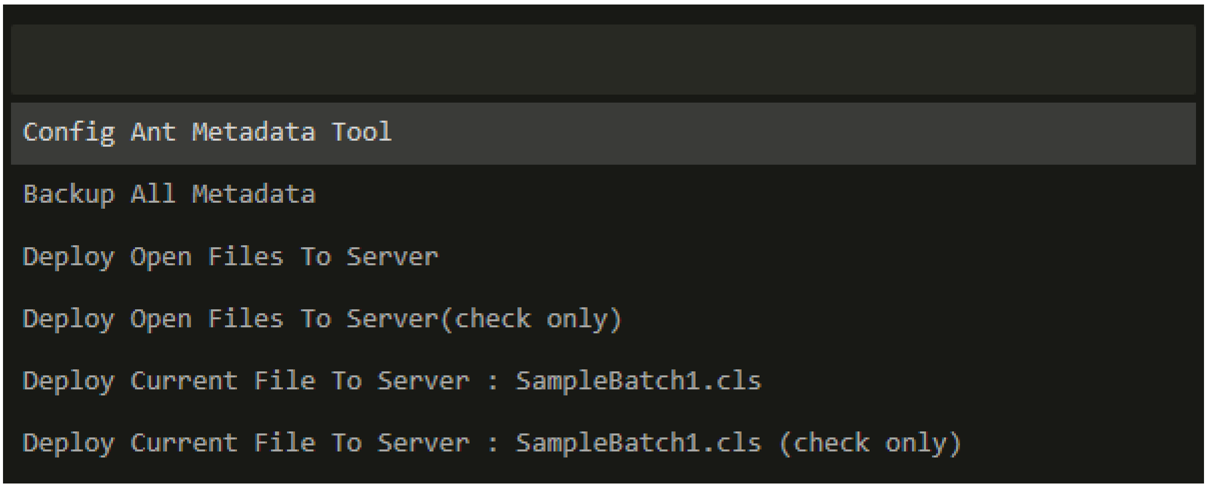
> There are some different between **Deploy** and **save**.

Right click, `SFDC-XY Metadata` > `Deploy To Server(Ant Migration Tool)`



There 4 ways to deploy to sfdc server. If you select **check only** , it never actually saves to the server.

- Deploy Open Files To Server:
- Deploy Open Files To Server(check only):
- Deploy Current File To Server : `xxx.cls`
- Deploy Current File To Server : `xxx.cls` (check only)

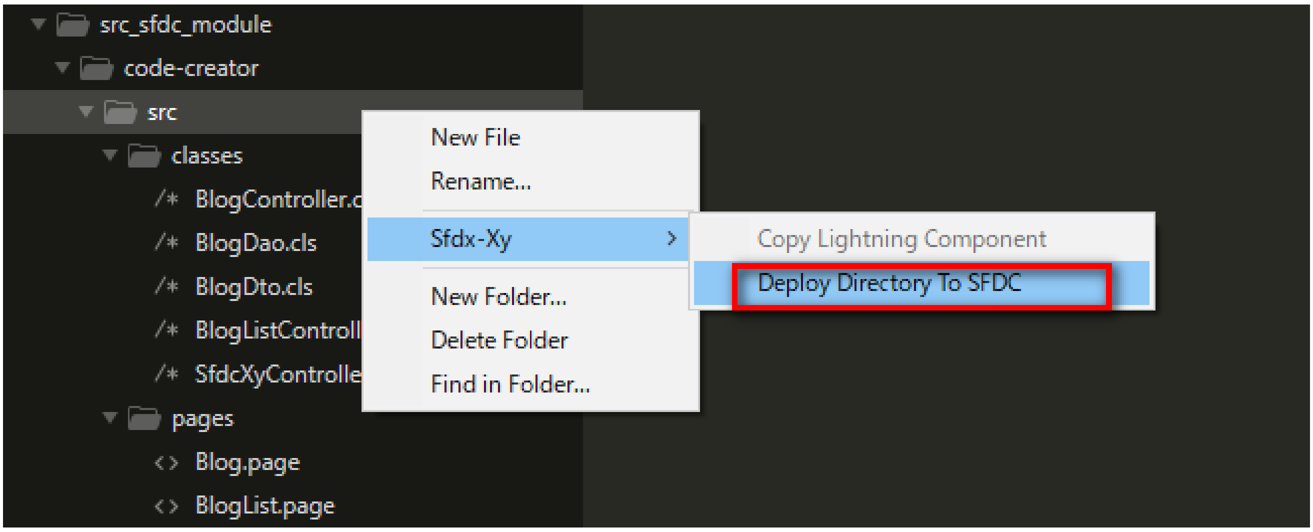


```
Config Ant Metadata Tool
Backup All Metadata
Deploy Open Files To Server
Deploy Open Files To Server(check only)
Deploy Current File To Server : SampleBatch1.cls
Deploy Current File To Server : SampleBatch1.cls (check only)
```

Deploy the folder

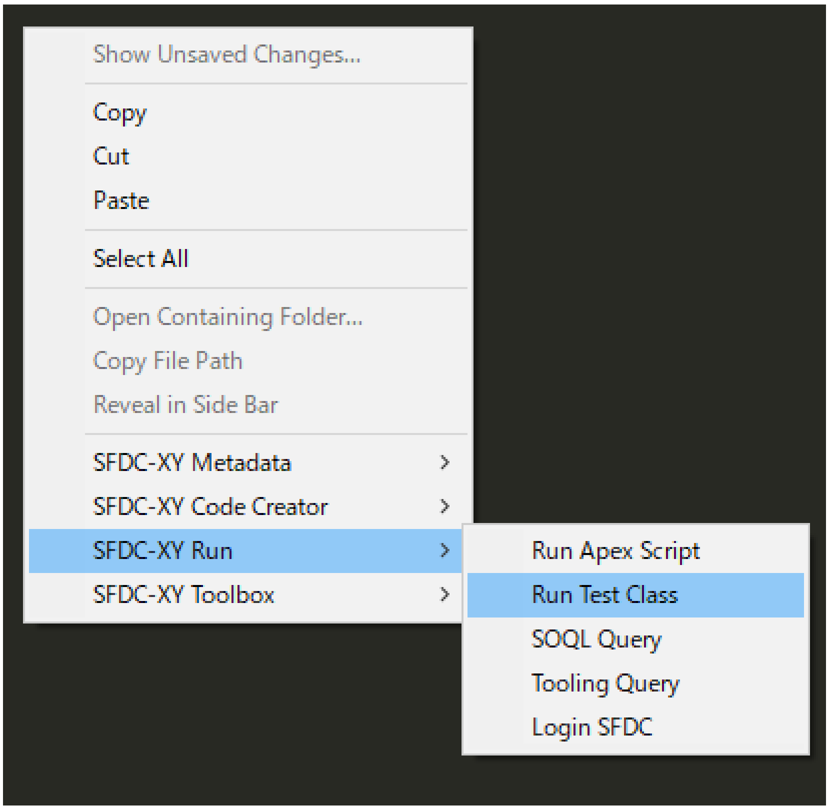
choose your folder or source in sublime folders, then right click.

Find the menu : `Sfdc-Xy > Deploy Directory To SFDC`



Run Test Class

Right click, `SFDC-XY Run` > `Run Test Class`



Summary

Project

New Project

`Project > New Project` Input your project directory, and create your sfdc project

Switch Project

`Project > Switch Project`

Retrieve Source

`Project > Retrieve Source` Select metatdata type, and click `Start To Retrieve` to retrieve source. The old source `src` directory will be remove to `src_backup`

Retrieve Source zip

`Project > Retrieve Source.zip` Input your project directory, and retrieve zip.

Reload Metadata Cache

`Project > Reload Metadata Cache` Not need to Reload Metadata Cache.

Metadata

Create ApexClass, ApexTrigger, ApexPage, ApexComponent

`Metadata > New ApexClass` `Metadata > New ApexTrigger` `Metadata > New ApexPage` `Metadata > New ApexComponent`

Refresh Source

`Metadata > Refresh From Server`

Diff with Server

`Metadata > Diff with Server` If you want to use `winmerge` to check the different between local and server, Please config `/.xyconfig/xyconfig.json`, set `winmerge`. If you set `winmerge` blank, it will diff in sublime.

> Tips: You must use `\\` if you use Windows, such as `"C:\\Program Files (x86)\\WinMerge\\WinMergeU.exe"`

Save To Server

`Metadata > Save To Server`

Deploy To Server

Please use Migration Tools to deploy sources. `Migration Tool > Ant Migration Tool`

Export Sobject to Excel and Search Sobject

Topic

- Use SalesforceXytoolsForSublime To Build Salesforce Deploy Package

> 1. Search sobject and view data
> 2. Export Sobject Schema To Excel.

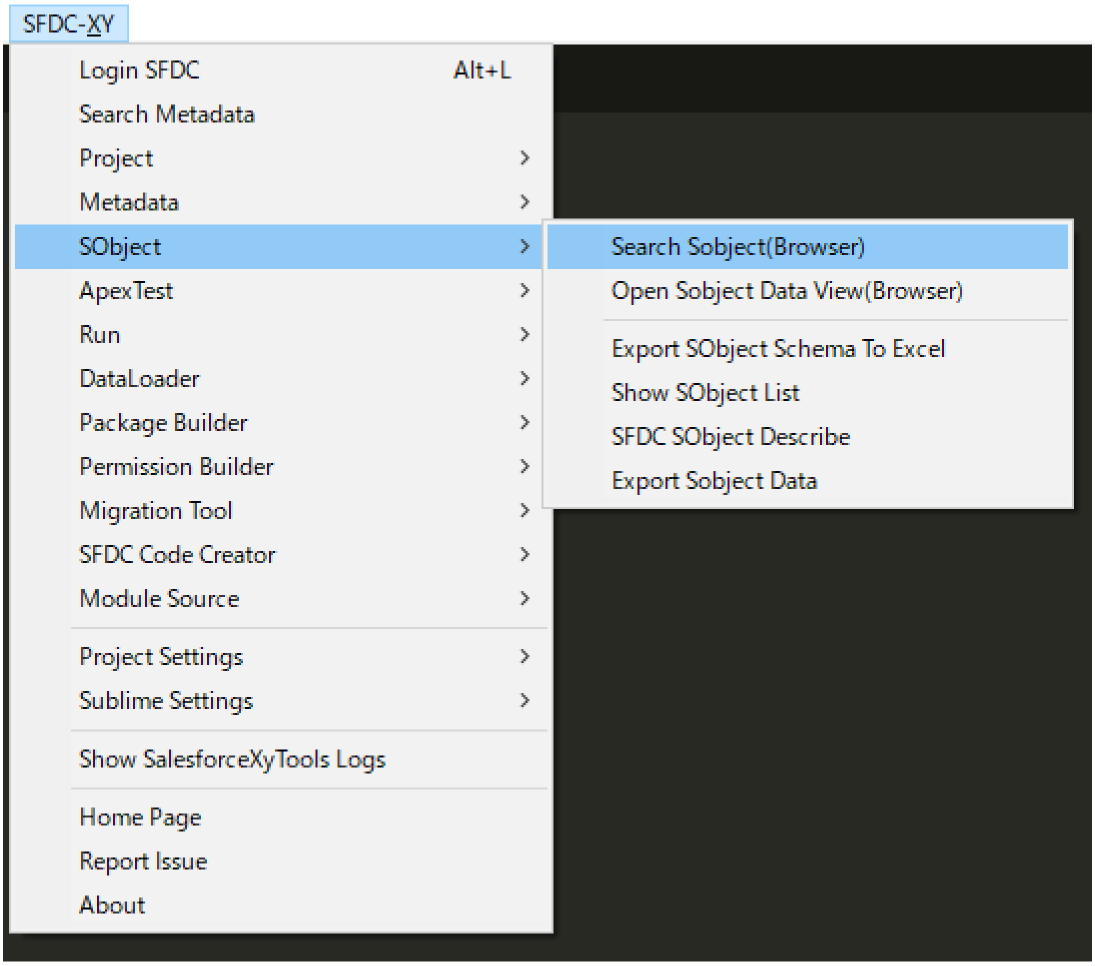
Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

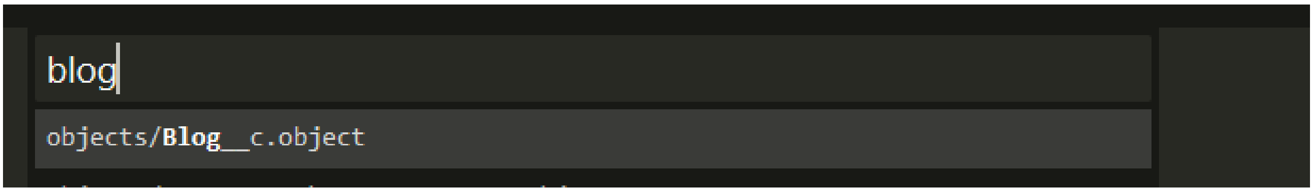
Sobject

Open SObject Manager Page

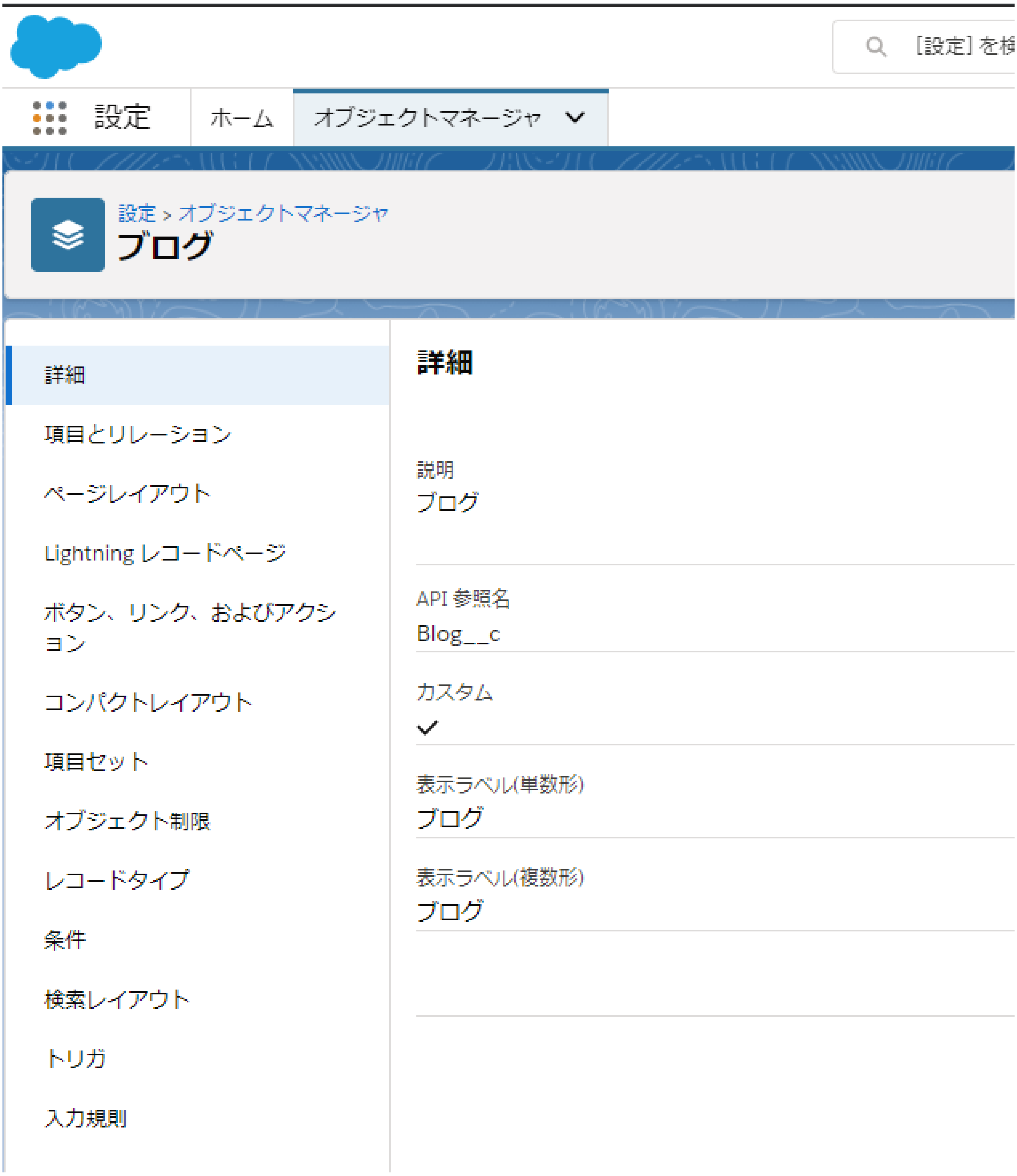
`SObject > Search Sobject(Browser)`



Search the sobject, then it will open the sobject manager page in browser.



```
blog
objects/Blog__c.object
```



詳細

説明
ブログ

API 参照名
Blog__c

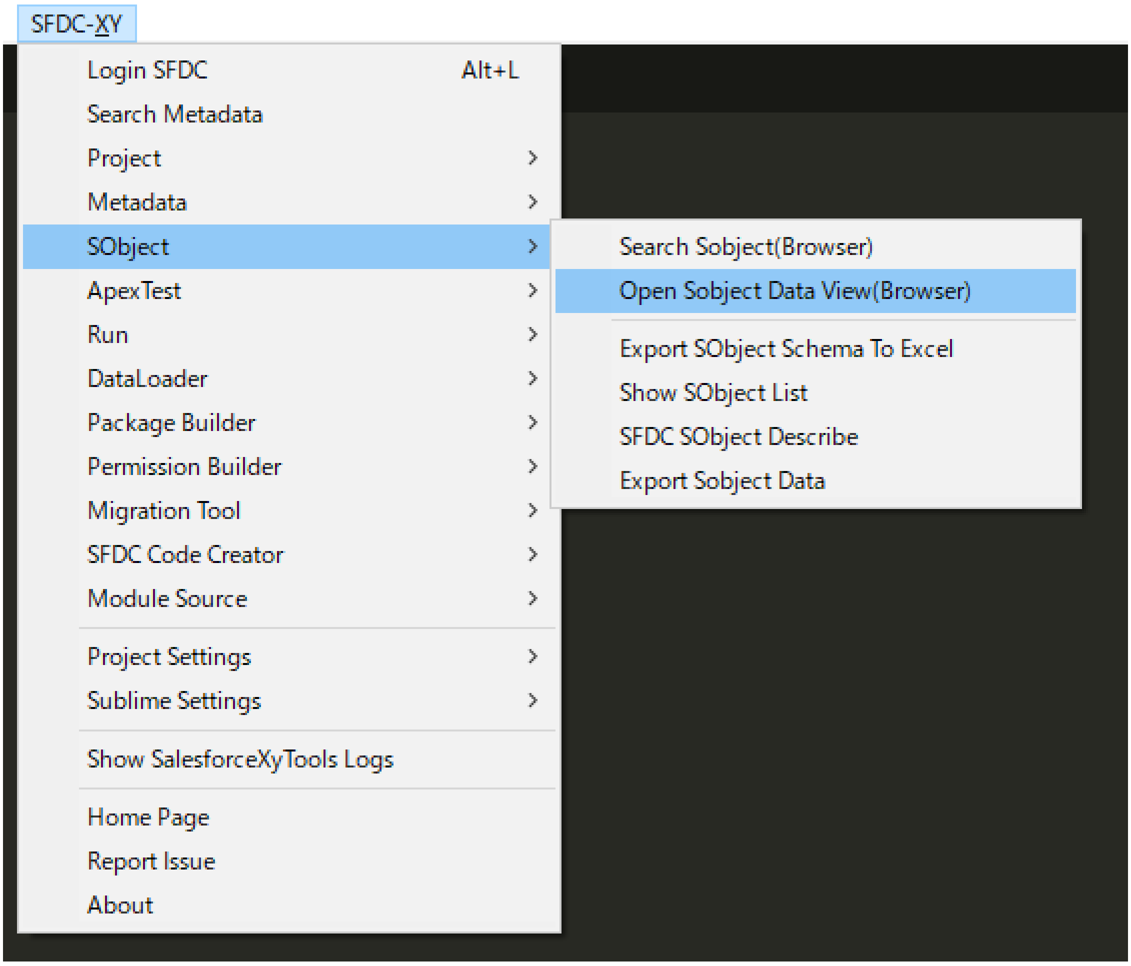
カスタム
✓

表示ラベル(単数形)
ブログ

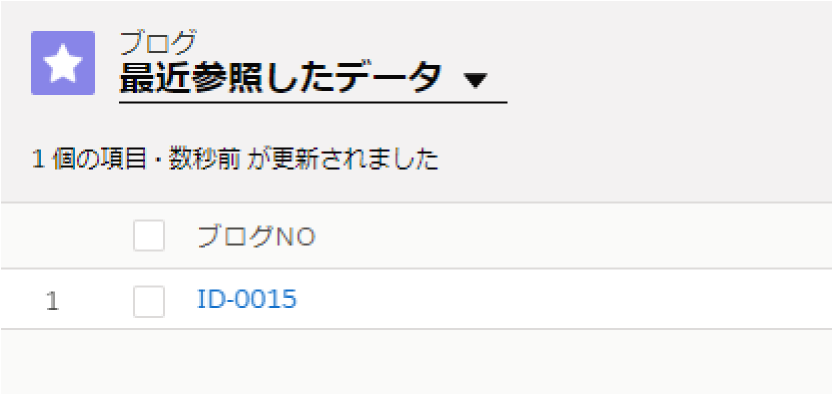
表示ラベル(複数形)
ブログ

View SObject Data In Browser

`SObject > Open Sobject Data View(Browser)`



Search the sobject, then it will open the data manager page in browser.



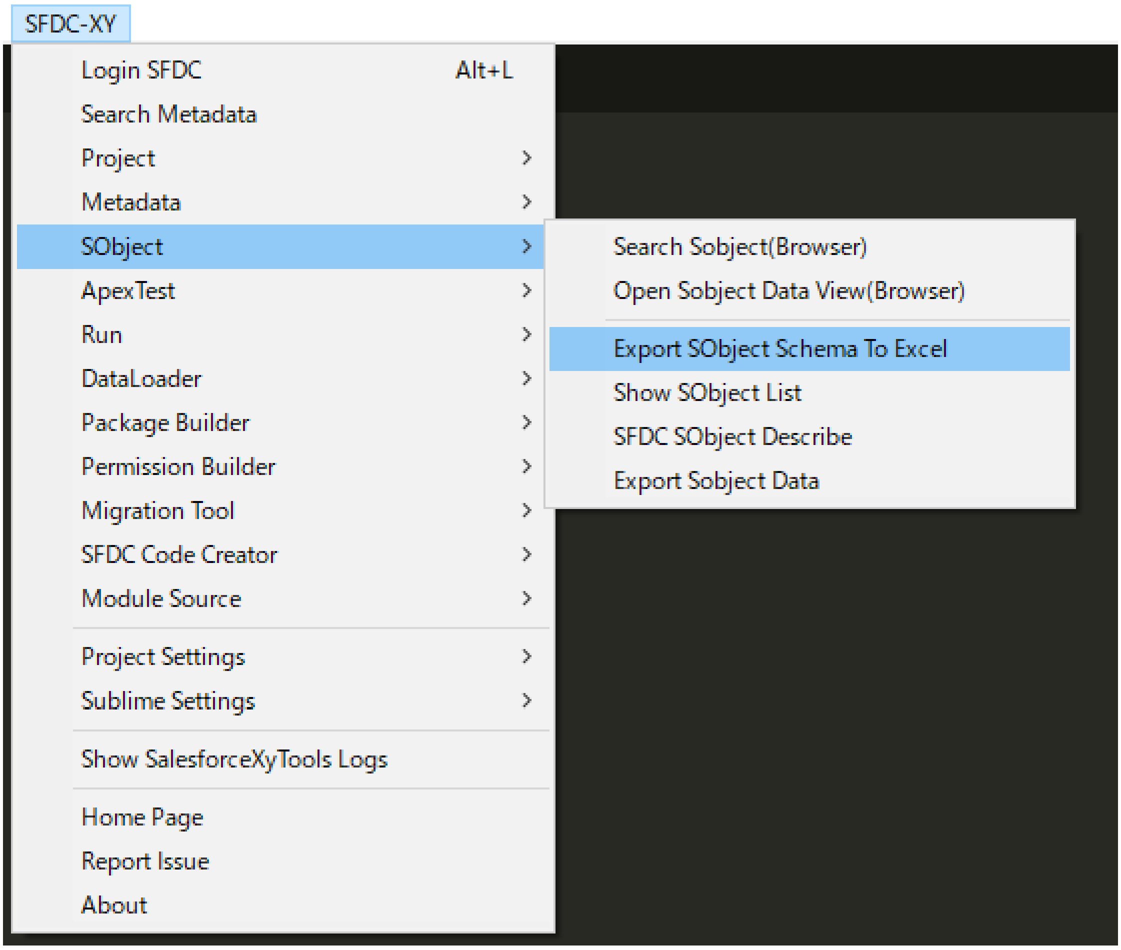
ブログ
最近参照したデータ ▾

1 個の項目・数秒前 が更新されました

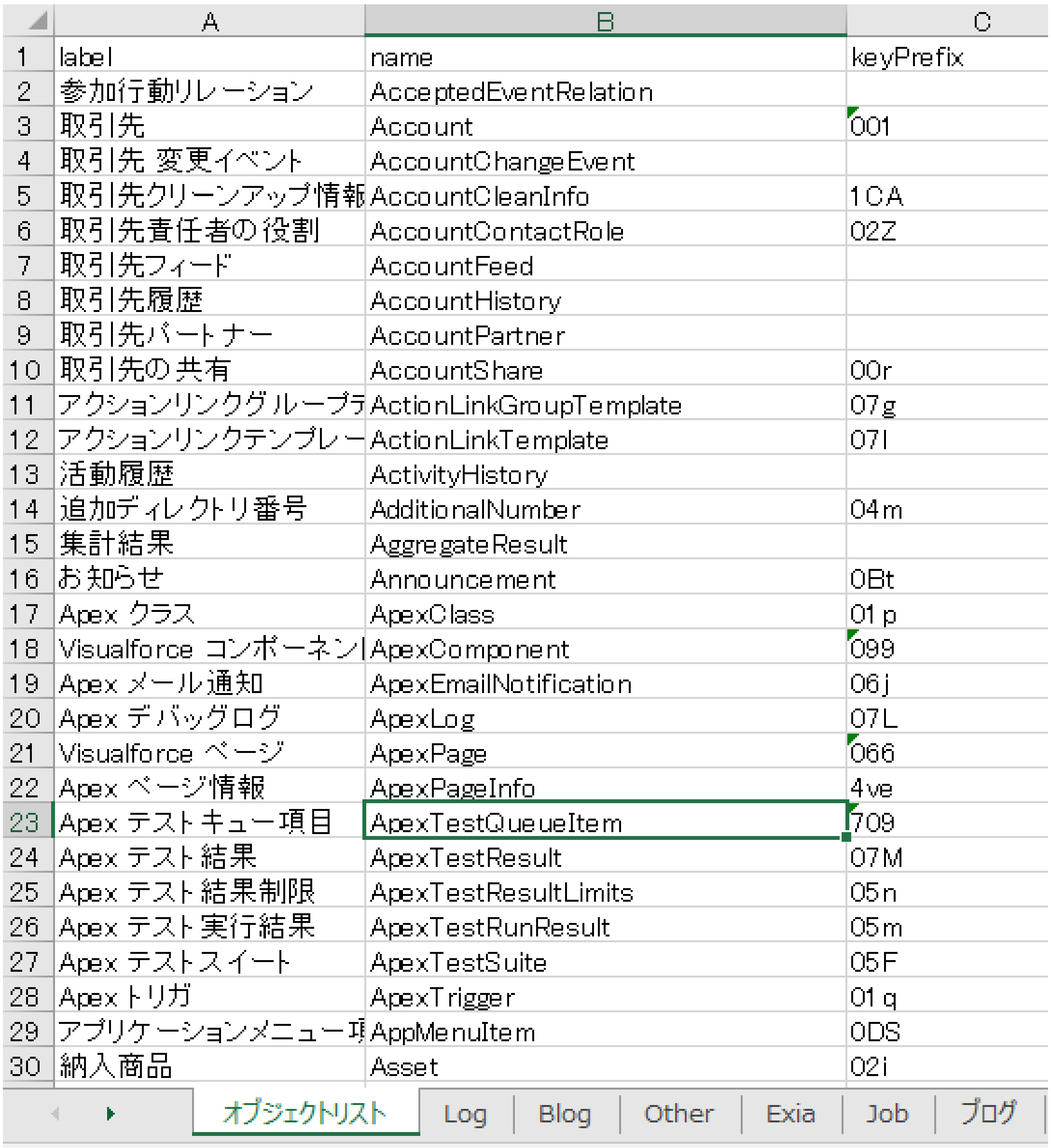
	□	ブログNO
1	□	ID-0015

Export Sobject Schema To Excel

`Sobject > Export Sobject Schema To Excel`


SFDC-XY
Login SFDC Alt+L
Search Metadata
Project
Metadata
SObject
ApexTest
Run
DataLoader
Package Builder
Permission Builder
Migration Tool
SFDC Code Creator
Module Source
Project Settings
Sublime Settings
Show SalesforceXyTools Logs
Home Page
Report Issue
About
Search Sobject(Browser)
Open Sobject Data View(Browser)
Export SObject Schema To Excel
Show SObject List
SFDC SObject Describe
Export Sobject Data

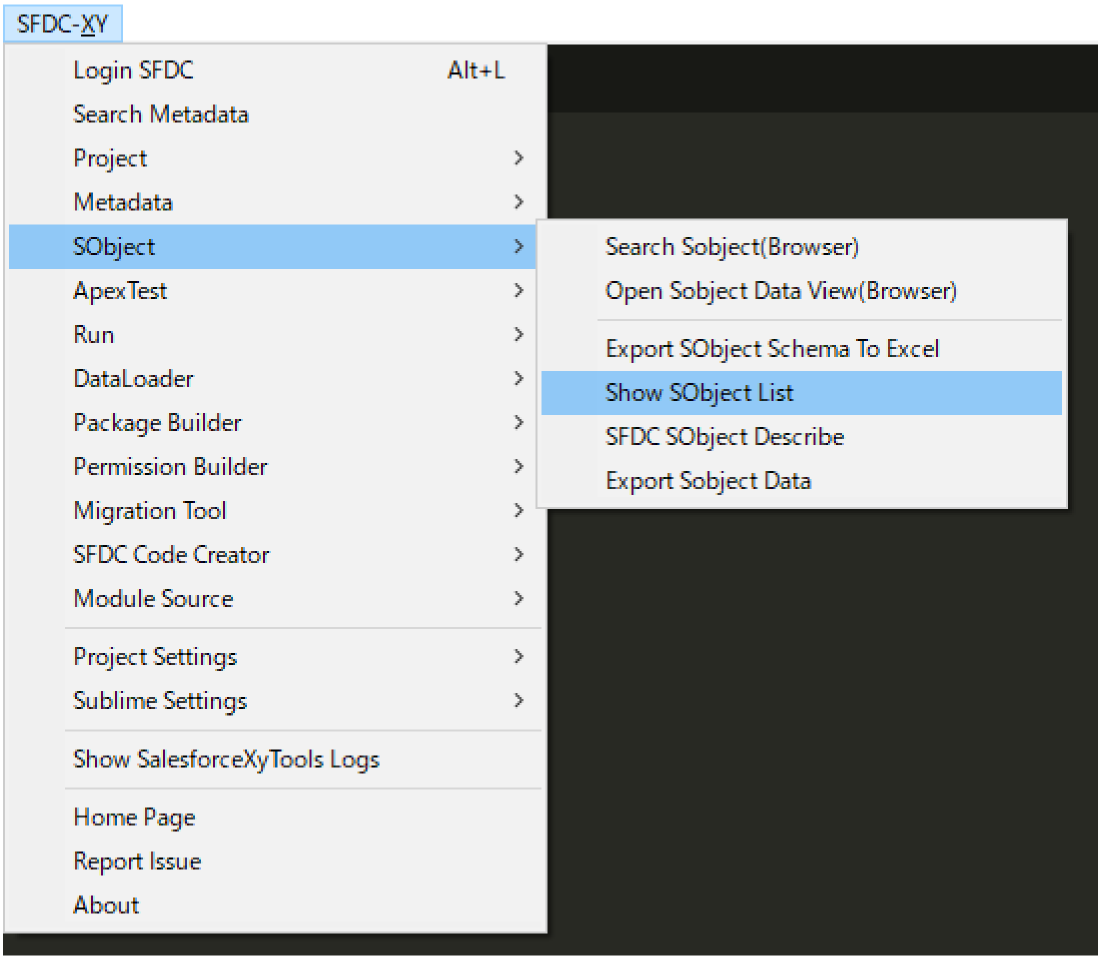
Example,



	A	B	C
1	label	name	keyPrefix
2	参加行動リレーション	AcceptedEventRelation	
3	取引先	Account	001
4	取引先 変更イベント	AccountChangeEvent	
5	取引先クリーンアップ情報	AccountCleanInfo	1CA
6	取引先責任者の役割	AccountContactRole	02Z
7	取引先フィード	AccountFeed	
8	取引先履歴	AccountHistory	
9	取引先パートナー	AccountPartner	
10	取引先の共有	AccountShare	00r
11	アクションリンクグループテ	ActionLinkGroupTemplate	07g
12	アクションリンクテンプレー	ActionLinkTemplate	07l
13	活動履歴	ActivityHistory	
14	追加ディレクトリ番号	AdditionalNumber	04m
15	集計結果	AggregateResult	
16	お知らせ	Announcement	0Bt
17	Apex クラス	ApexClass	01p
18	Visualforce コンポーネン	ApexComponent	099
19	Apex メール通知	ApexEmailNotification	06j
20	Apex デバッグログ	ApexLog	07L
21	Visualforce ページ	ApexPage	066
22	Apex ページ情報	ApexPageInfo	4ve
23	Apex テストキュー項目	ApexTestQueueItem	709
24	Apex テスト結果	ApexTestResult	07M
25	Apex テスト結果制限	ApexTestResultLimits	05n
26	Apex テスト実行結果	ApexTestRunResult	05m
27	Apex テストスイート	ApexTestSuite	05F
28	Apex トリガ	ApexTrigger	01q
29	アプリケーションメニュー項	AppMenuItem	0DS
30	納入商品	Asset	02i

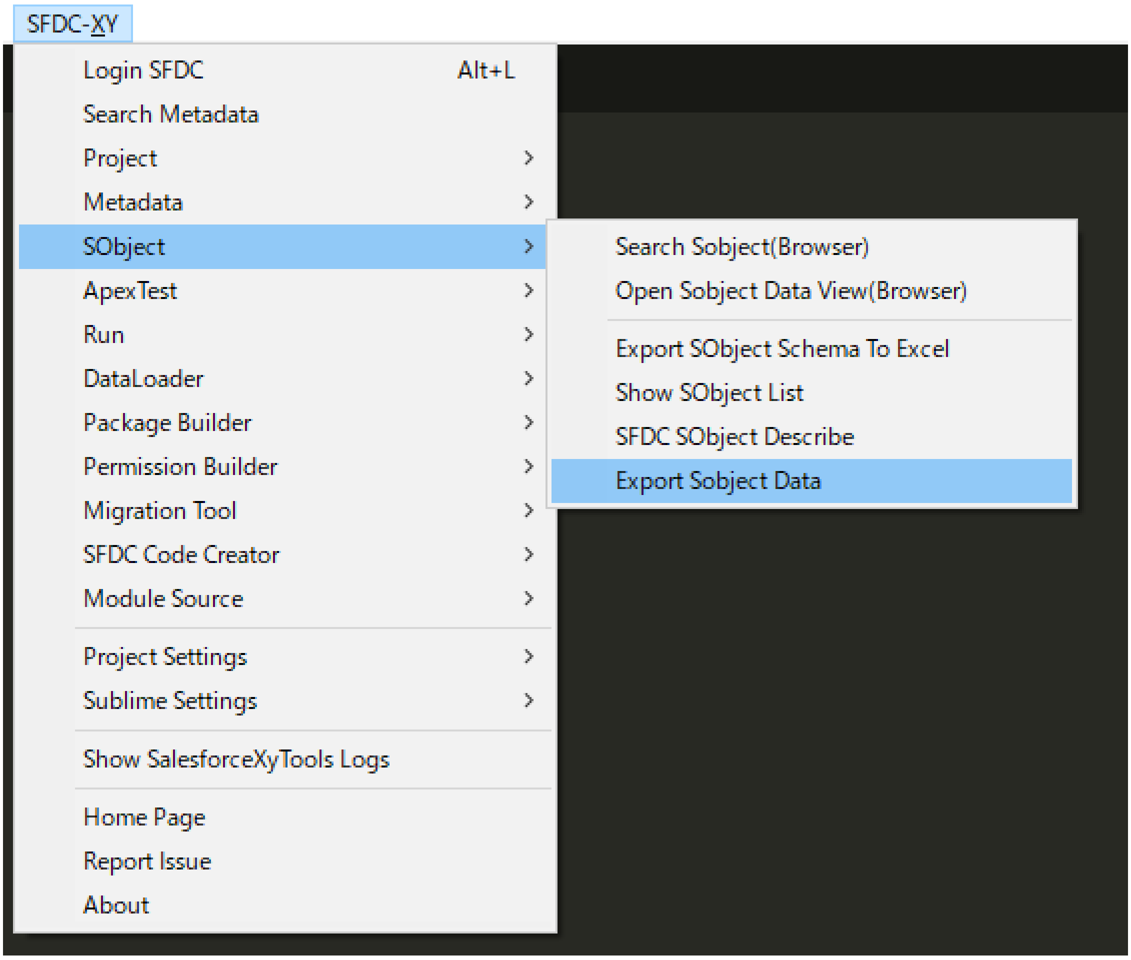
Export SObject List To Txt

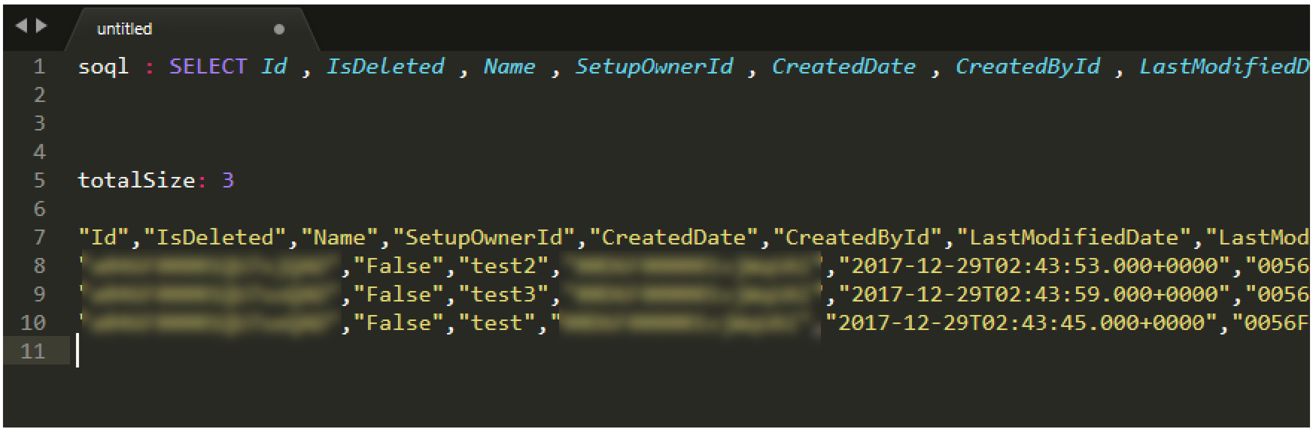
`Sobject > Show Sobject List`



Export SObject Data To Txt

`Sobject > Export Sobject Data`





```
soql : SELECT Id , IsDeleted , Name , SetupOwnerId , CreatedDate , CreatedById , LastModifiedD



totalSize: 3

"Id","IsDeleted","Name","SetupOwnerId","CreatedDate","CreatedById","LastModifiedDate","LastMod
'[redacted],"False","test2",[redacted],"2017-12-29T02:43:53.000+0000","0056
'[redacted],"False","test3",[redacted],"2017-12-29T02:43:59.000+0000","0056
'[redacted],"False","test","[redacted] "2017-12-29T02:43:45.000+0000","0056F
```

summary

SObject

`SObject > Search Sobject(Browser)` `SObject > Open Sobject Data View(Browser)` `Sobject > Export Sobject Schema To Excel` `Sobject > Show Sobject List` `Sobject > Export Sobject Data`

Run sfdc soql, apex script, tooling api

Topic

- Use [SalesforceXytoolsForSublime]()

> 1. Run soql query
> 2. Run apex script
> 3. Run tooling query

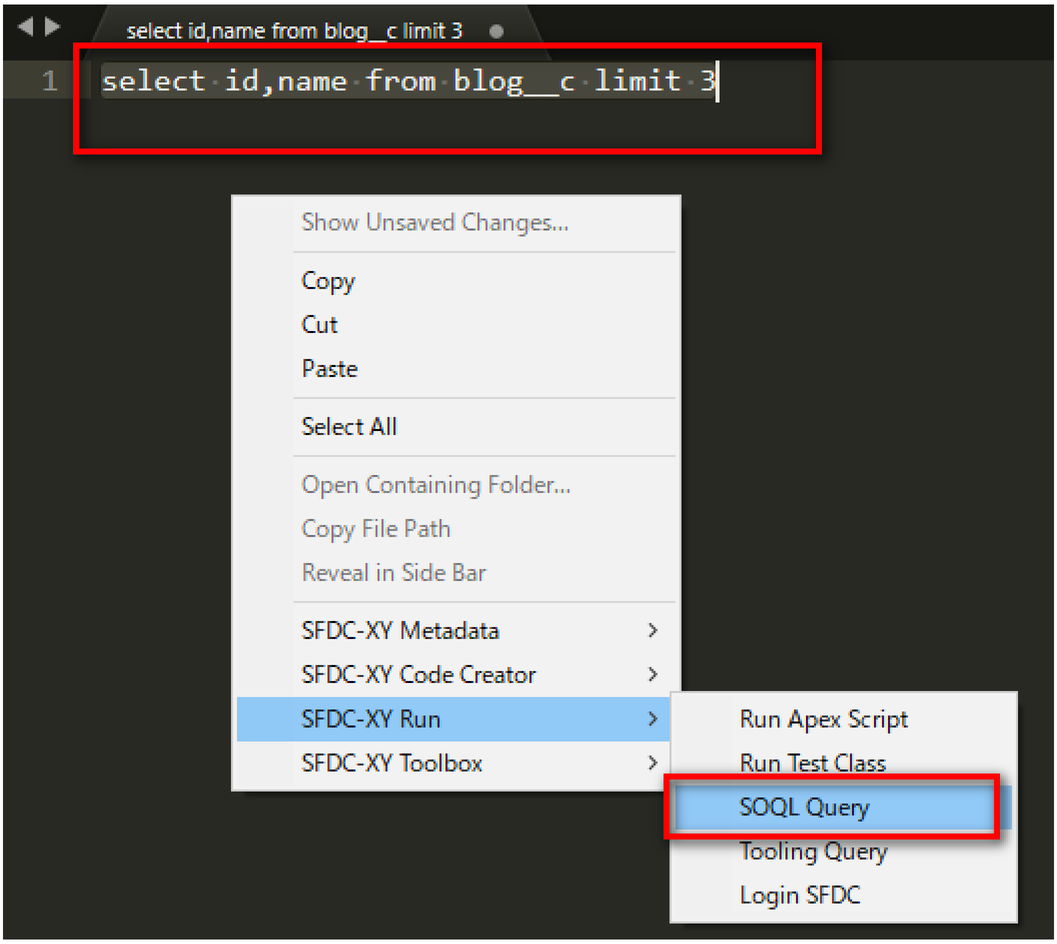
Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Run Soql query

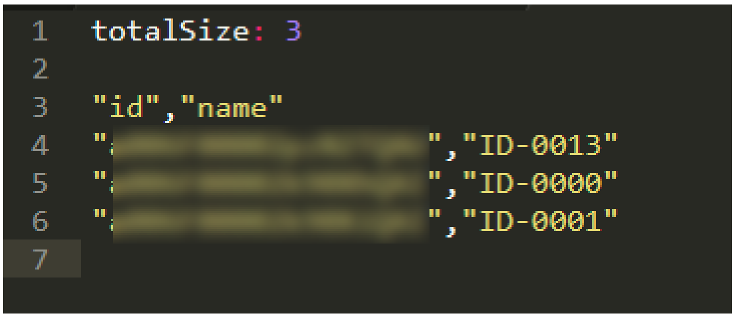
First, Select your soql

Then right click, `SFDC-XY Run > SOQL Query`



```
select id,name from blog__c limit 3
```

result :

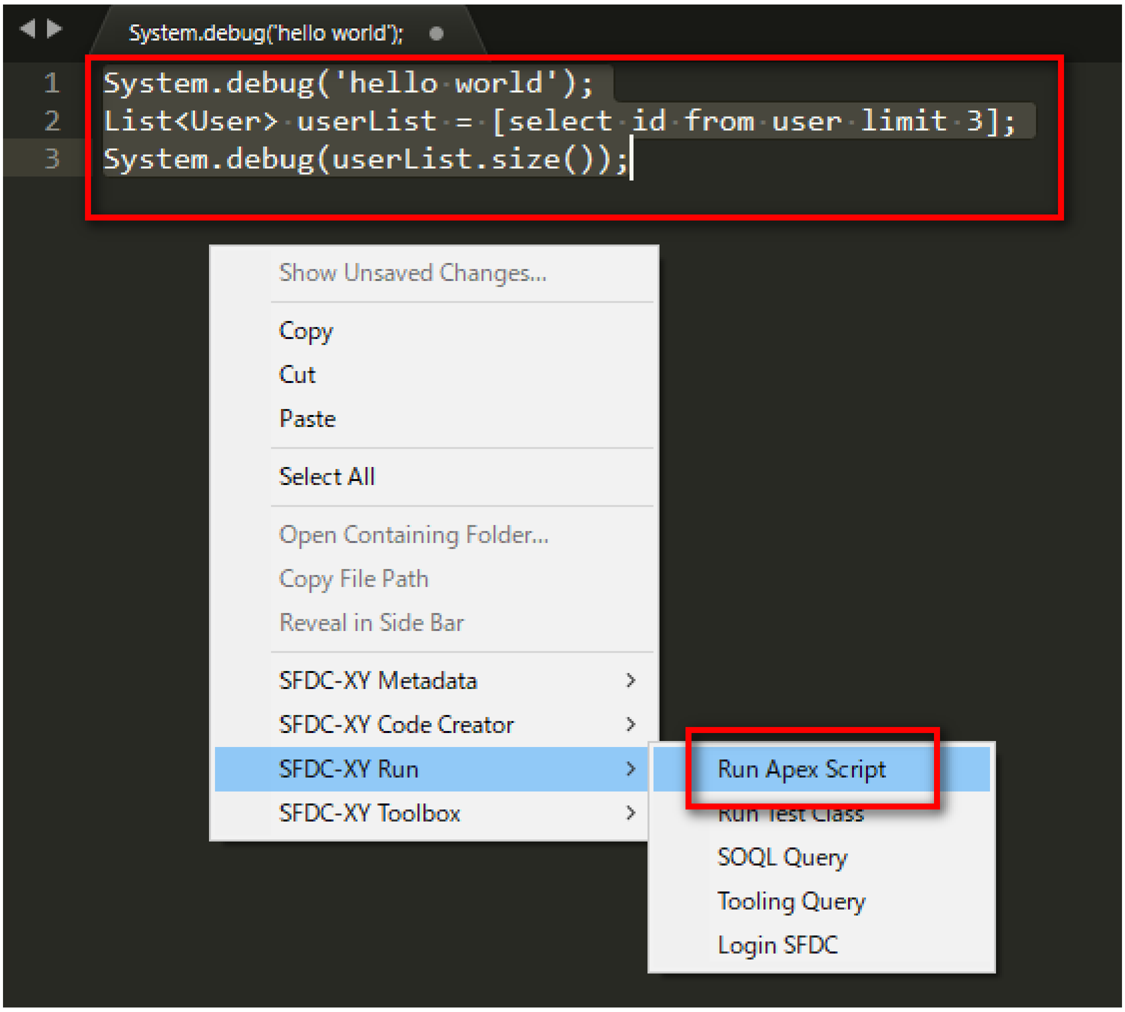


```
totalSize: 3

"id","name"
"[redacted]","ID-0013"
"[redacted]","ID-0000"
"[redacted]","ID-0001"
```

Run Apex Script

select your apex script,

right click, `SFDC-XY Run > Run Apex Script`

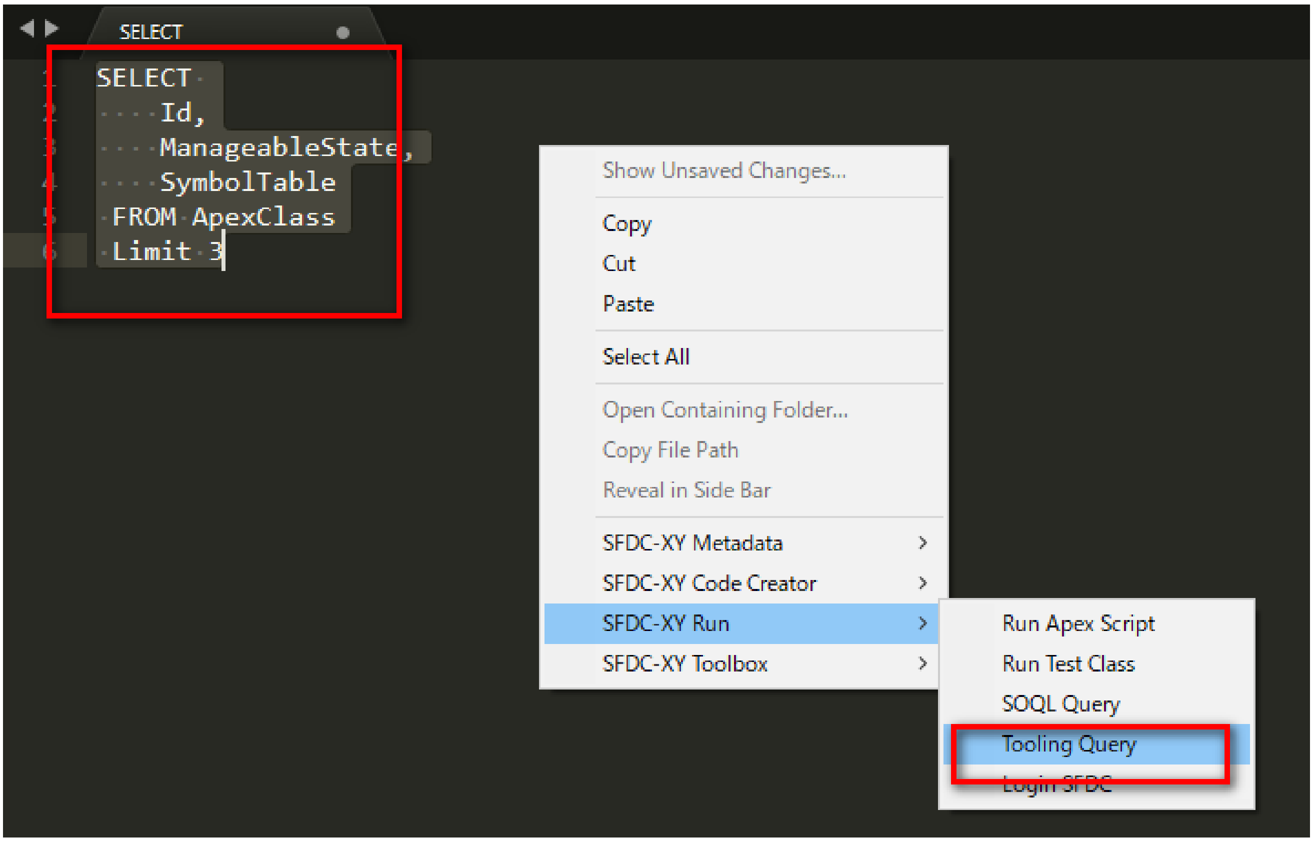


```
System.debug('hello world');
List<User> userList = [select id from user limit 3];
System.debug(userList.size());
```

Run Tooling query

select your tooling query,

right click, `SFDC-XY Run > Tooling Query`



```
SELECT
    Id,
    ManageableState,
    SymbolTable
FROM ApexClass
Limit 3
```

Auto config salesforce ant-dataloader and Backup Sobject Data

Topic

- Use SalesforceXytoolsForSublime To Config Dataloader and backup sfdc sobject data.

> 1. Auto config dataloader.
> 2. Backup salesforce sobject data.

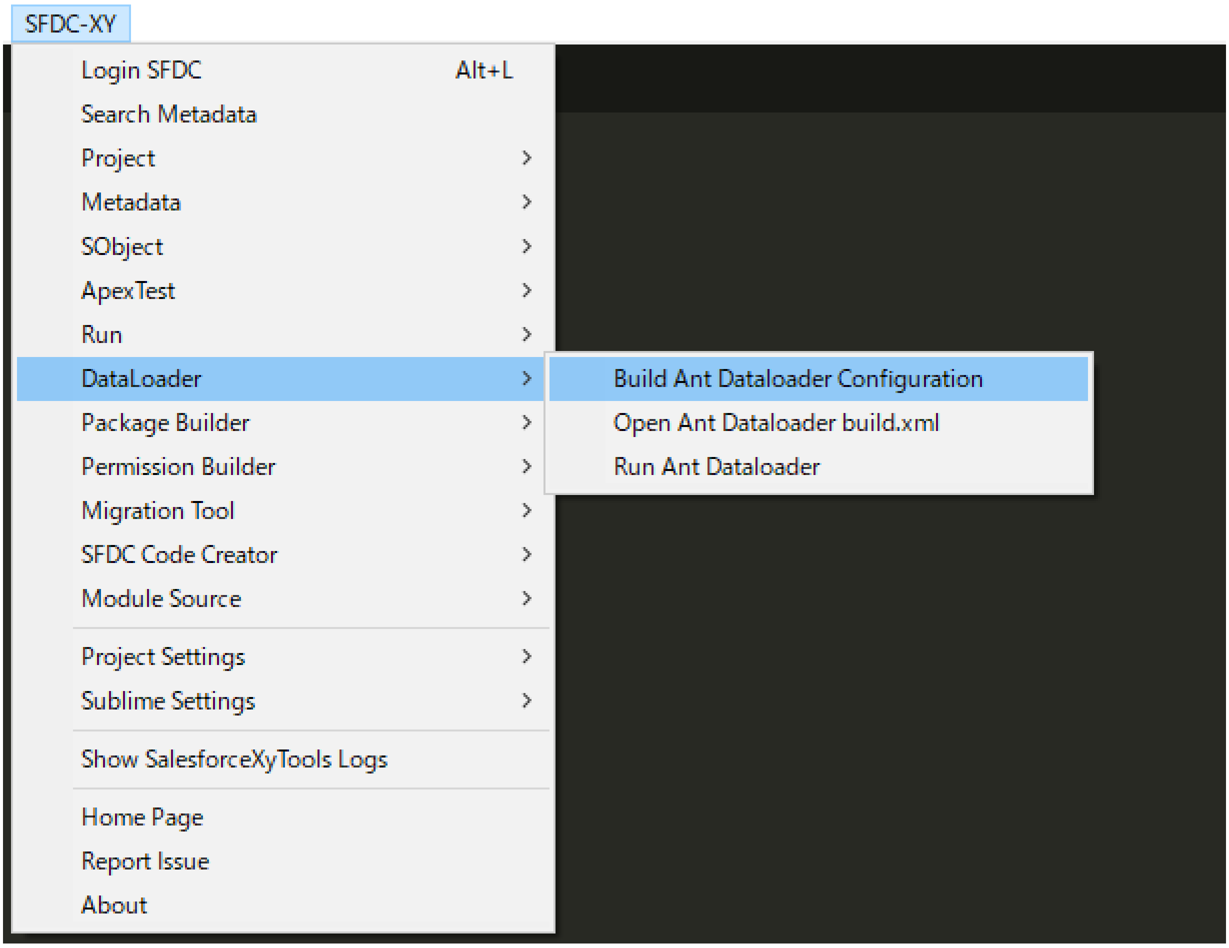
Environment

- Set up your `java` and `ant` environment.
- You must install `java` and `ant` before use `ant dataloader`.
- You not need to Install the `dataloader`.
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

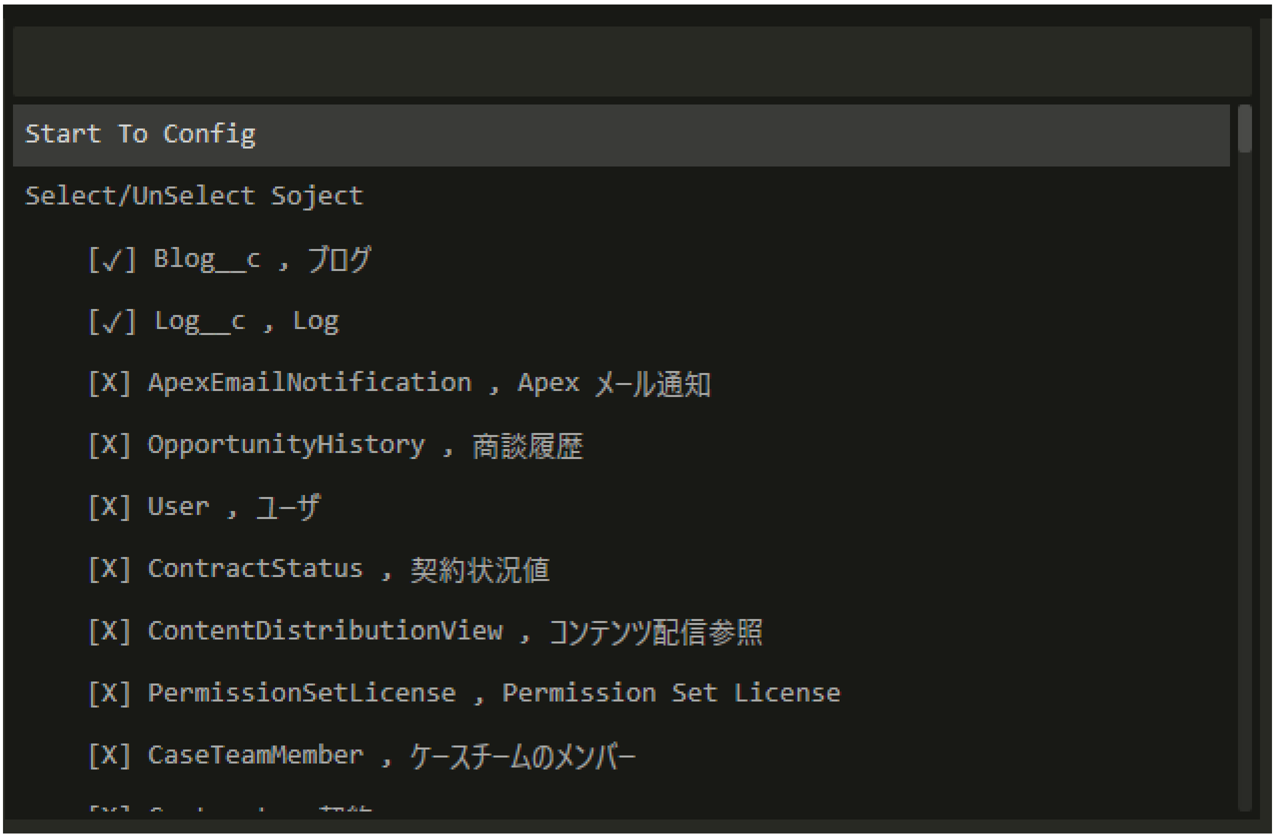
> Tips : You not need to Install the dataloader, Salesforcexytools integrates with dataloader.

Auto Config Dataloader

Open Sublime-Menu : SFDC-XY > Dataloader > Build Ant Dataloader Configuration

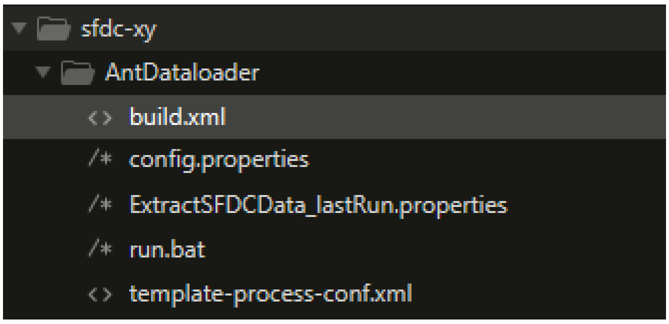


Select `Your Sobjects` and Select `Start To Config`, example:



```
Start To Config
Select/UnSelect Soject
    [✓] Blog__c , ブログ
    [✓] Log__c , Log
    [X] ApexEmailNotification , Apex メール通知
    [X] OpportunityHistory , 商談履歴
    [X] User , ユーザ
    [X] ContractStatus , 契約状況値
    [X] ContentDistributionView , コンテンツ配信参照
    [X] PermissionSetLicense , Permission Set License
    [X] CaseTeamMember , ケースチームのメンバー
    [X] Contract , 契約
```

You can find **AntDataloader** in `./sfdc-xy/AntDataloader` Folder.

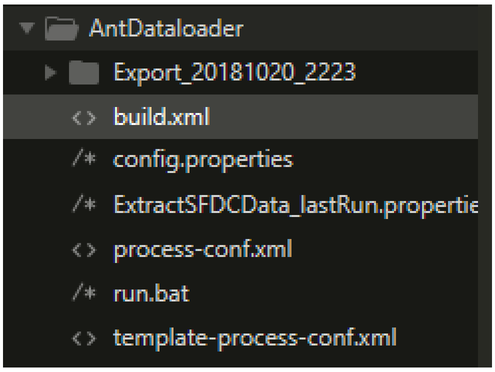


```
sfdc-xy
  AntDataloader
    build.xml
    config.properties
    ExtractSFDCData_lastRun.properties
    run.bat
    template-process-conf.xml
```

Run AntDataloader

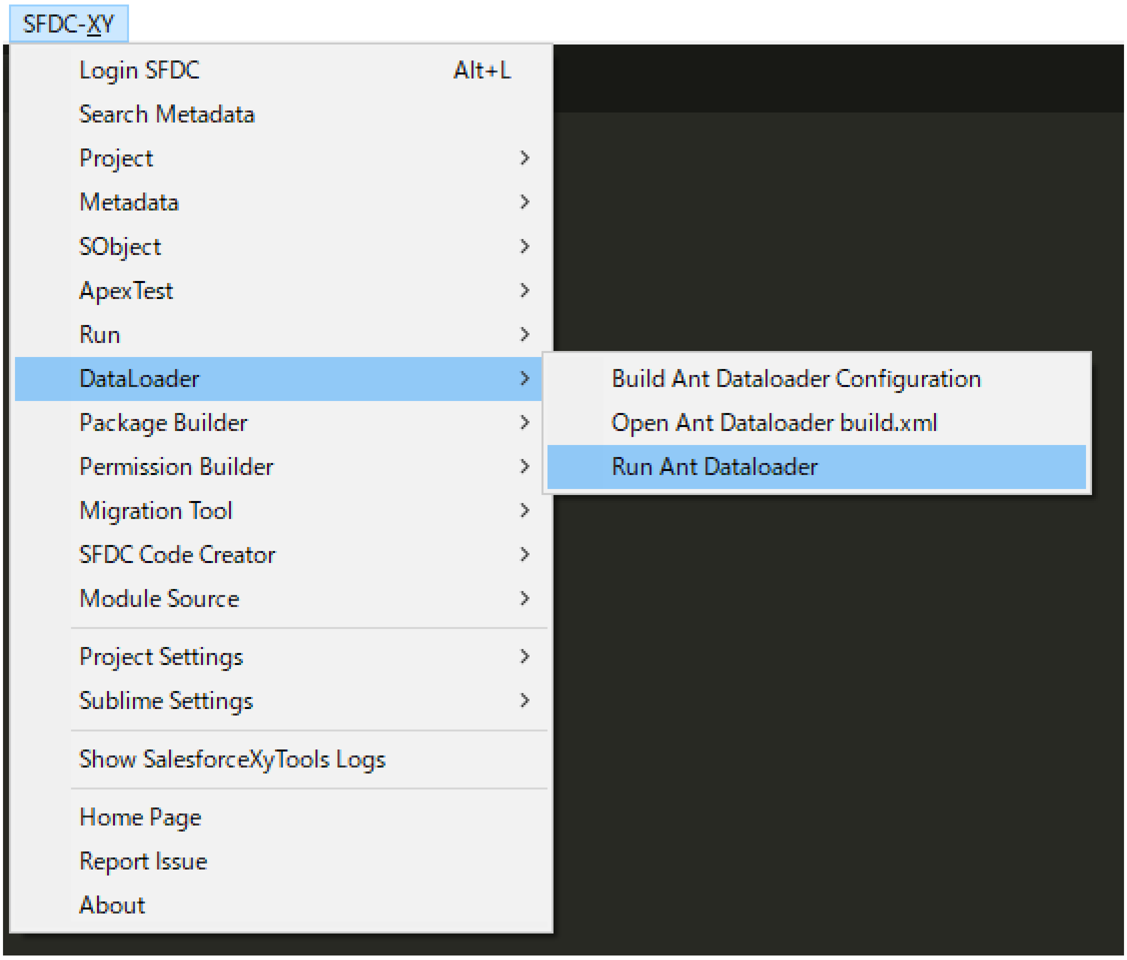
Ant command

```
cd ./sfdc-xy/AntDataloader
ant
```



Run in sublime

`Dataloader > Run Ant Dataloader` The data will be export to `/sfdc-xy/AntDataloader/Export_YYYYMMDD_HHmm`



config your soql

Open `./sfdc-xy/AntDataloader/build.xml`

Add your `export` task, you can export sfdc sobject data easily.

```
    <target name="start_export">
        <!-- <export file="{FILE_NAME}" object="{SOBJECT_NAME}" soql="{SOQL}"/> -->
        <export file="Blog__c" object="Blog__c" soql="SELECT Id , Name , Title__c,
Body__c FROM Blog__c"/>
        <export file="Log__c" object="Log__c" soql="SELECT Id , Name, Body__c FROM
Log__c"/>
    </target>
```

> Tips: Config the `build.xml` and copy `Ant Dataloader` to anywhere, and add your schedule job to export sfdc data.

Schedule Task , Auto Backup sfdc sobject data.

copy `./sfdc-xy/AntDataloader` To any folder. and schedule task.

Auto config salesforce ant-migration-tools and Backup Metadata

Topic

- Use SalesforceXytoolsForSublime To Config ant-migration-tools and backup metadata.

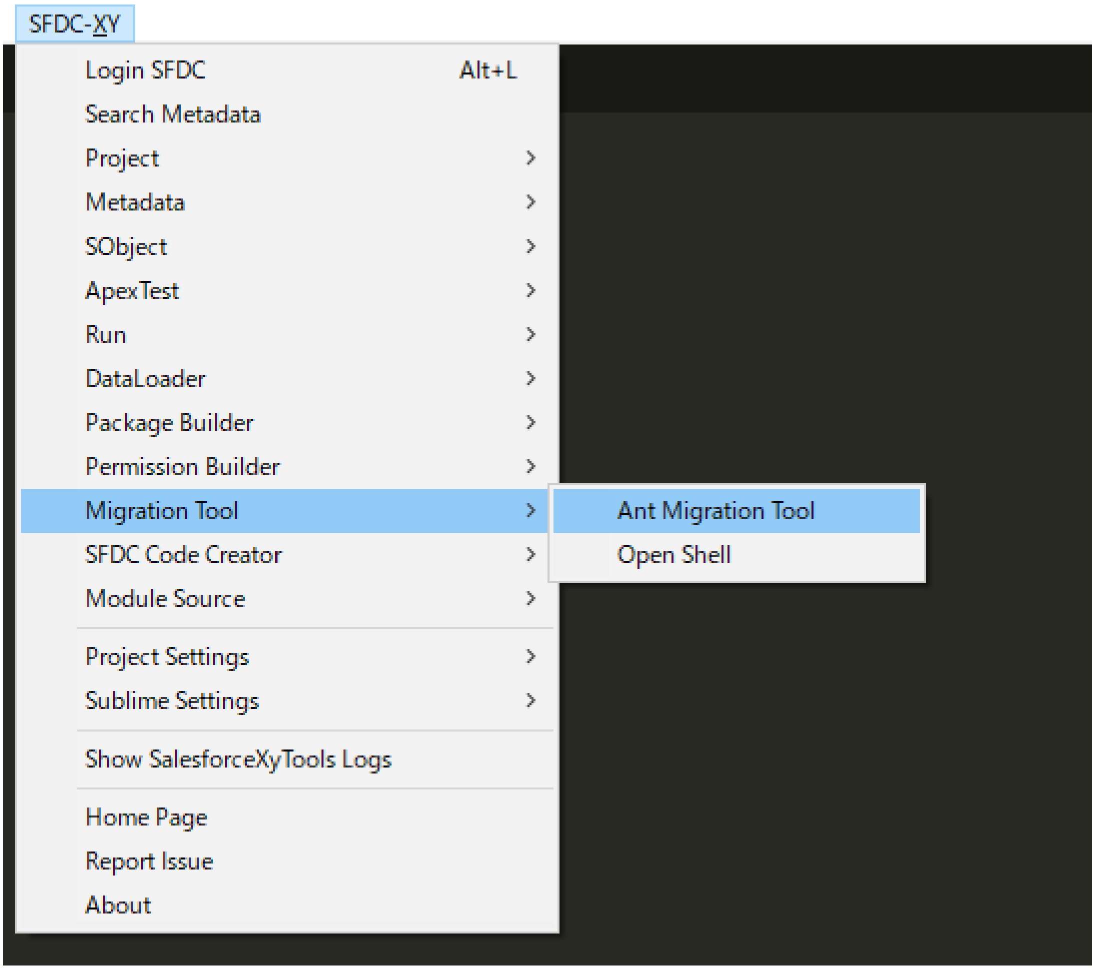
> 1. Auto config ant-migration-tools.
> 2. Backup all salesforce metadata in one click. You do not need to config package.xml !

Environment

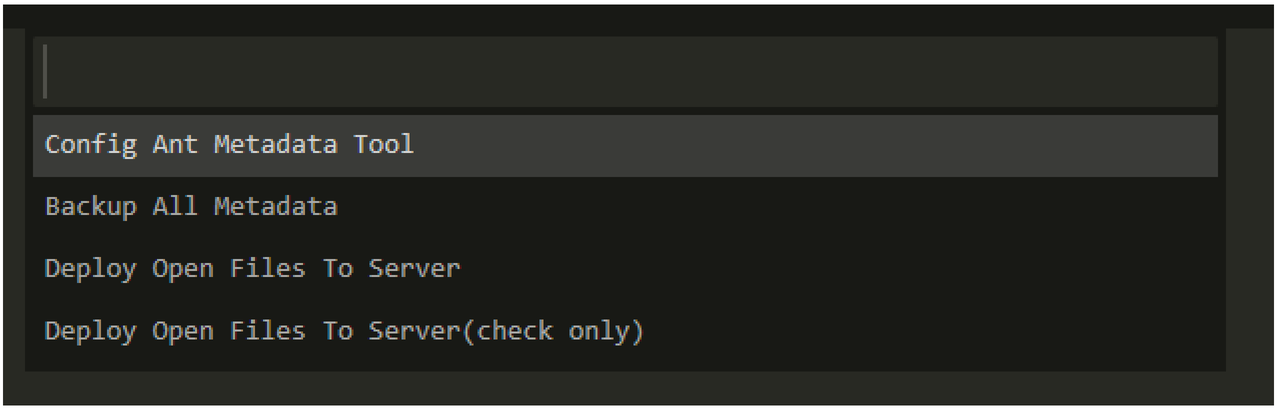
- Set up your `java` and `ant` environment.
- You must install `java` and `ant` before use `ant dataloader`.
- You not need to Install the `dataloader`.
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Auto Config ant-migration-tools

> Sublime-Menu :SFDC-XY > Migration Tool > Ant Migration Tool

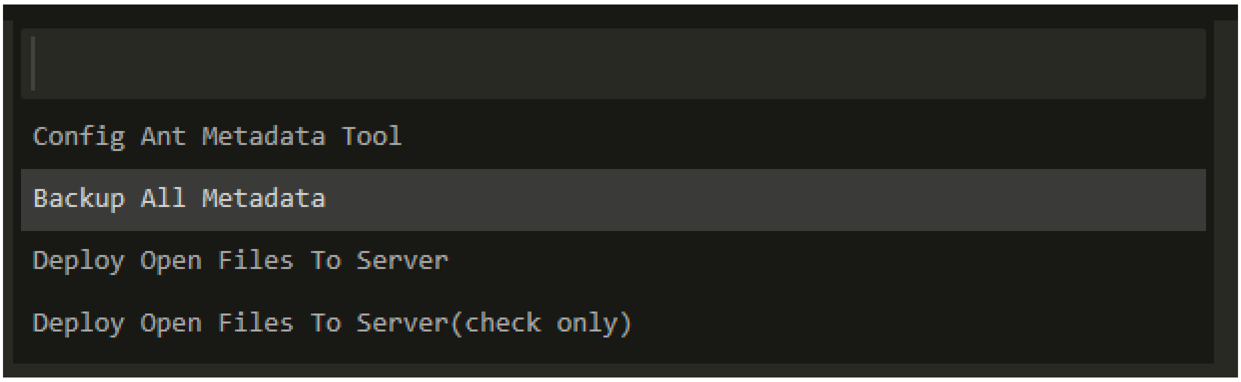


Select `Config Ant Metadata Tool`

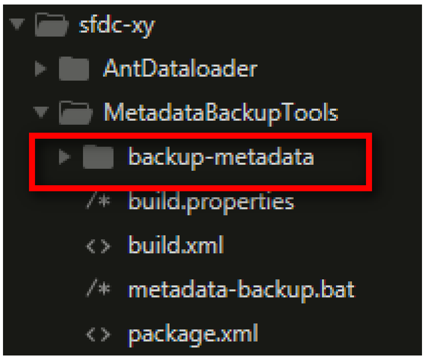

Config Ant Metadata Tool
Backup All Metadata
Deploy Open Files To Server
Deploy Open Files To Server(check only)

Backup all Metadata

> Sublime-Menu :SFDC-XY > Migration Tool > Ant Migration Tool
>
> Select `Backup All Metadata`


Config Ant Metadata Tool
Backup All Metadata
Deploy Open Files To Server
Deploy Open Files To Server(check only)

It will take some time to backup all sfdc metadata. It will backup to the `sfdc-xy\MetadataBackupTools\backup-metadata\`



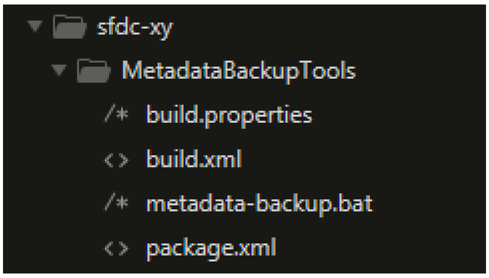
> Tips : It is base on [Ant Migration Tool]().

Schedule Task , Auto Backup sfdc metadata.

You can find ant-migration-tools in `./sfdc-xy/MetadataBackupTools` Folder.

You don't need to config `package.xml`.

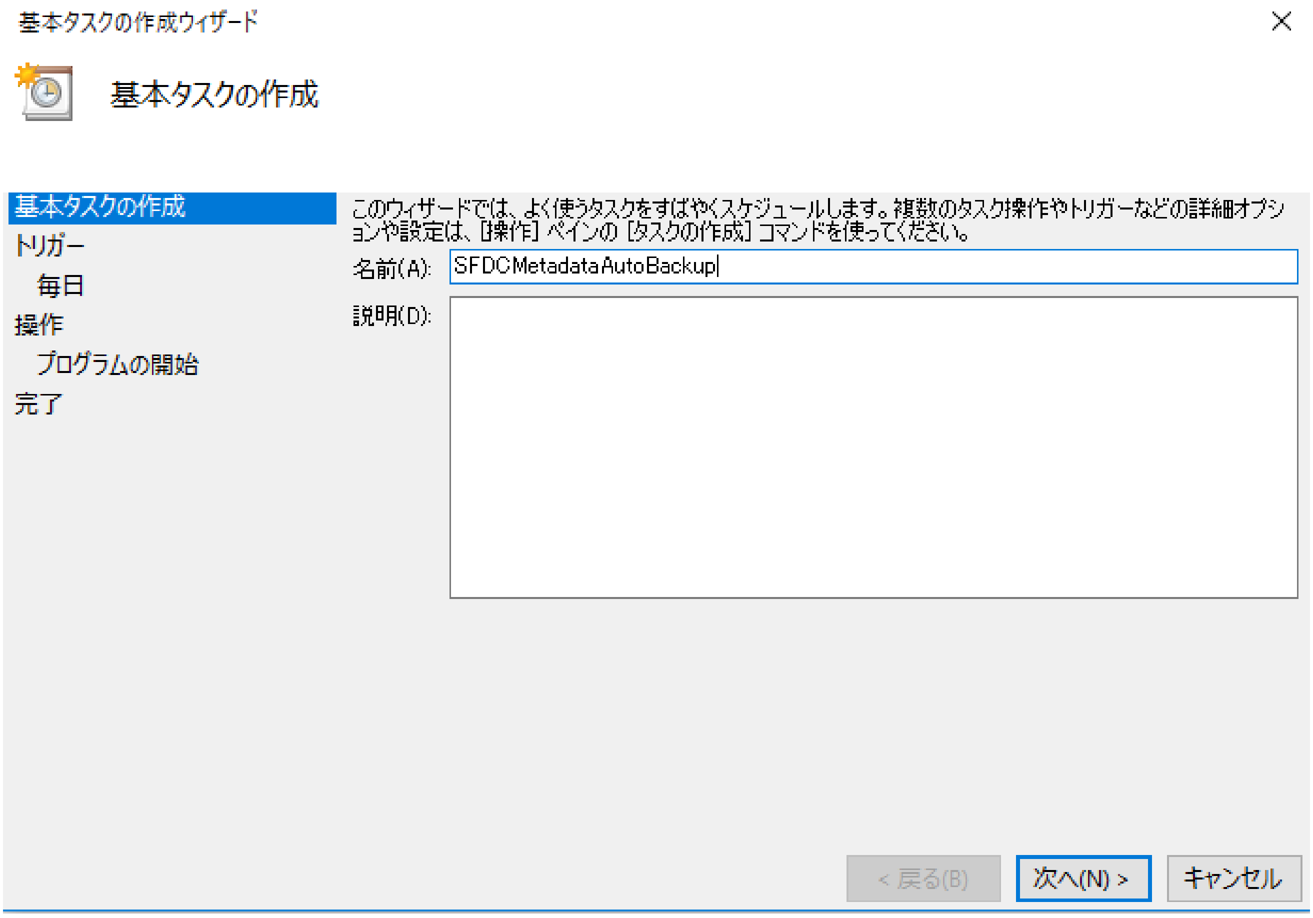
Just copy `MetadataBackupTools` and config your **system tasks**



```
sfdc-xy
  MetadataBackupTools
    build.properties
    build.xml
    metadata-backup.bat
    package.xml
```

windows

In **windows**, you can set task like this.



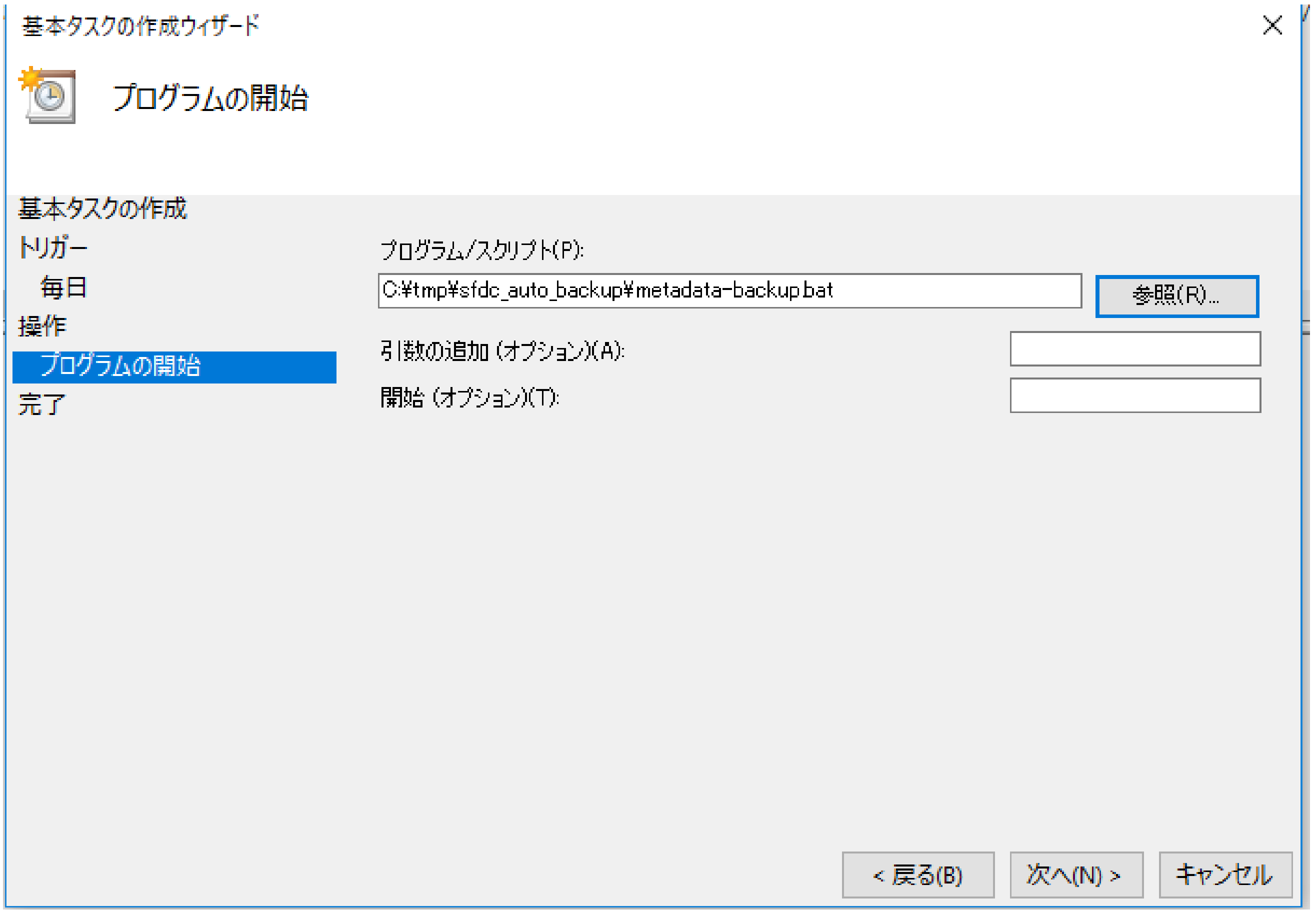
基本タスクの作成ウィザード

基本タスクの作成

このウィザードでは、よく使うタスクをすばやくスケジュールします。複数のタスク操作やトリガーなどの詳細オプションや設定は、[操作] ペインの [タスクの作成] コマンドを使ってください。

名前(A): SFDCMetadataAutoBackup

説明(D):



基本タスクの作成ウィザード

プログラムの開始

プログラム/スクリプト(P): C:¥tmp¥sfdc_auto_backup¥metadata-backup.bat

引数の追加 (オプション)(A):

開始 (オプション)(T):

Unix cron

You can set your cron job in unix/ linux/ mac

Export Sfdc Sobject Schema To Excel

Topic

- Use SalesforceXytoolsForSublime To Config Dataloader and backup sfdc sobject data.

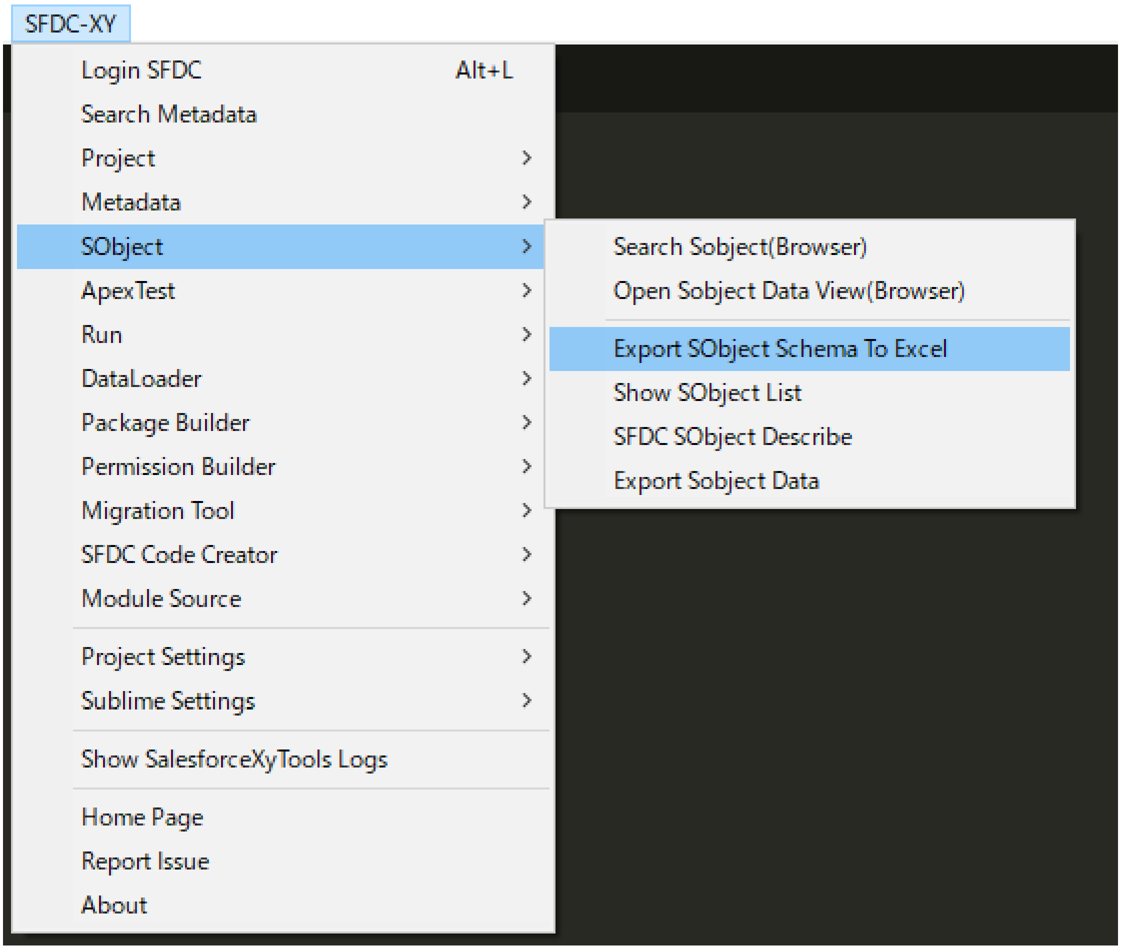
> 1. Export Sfdc Sobject Schema To Excel.

Environment

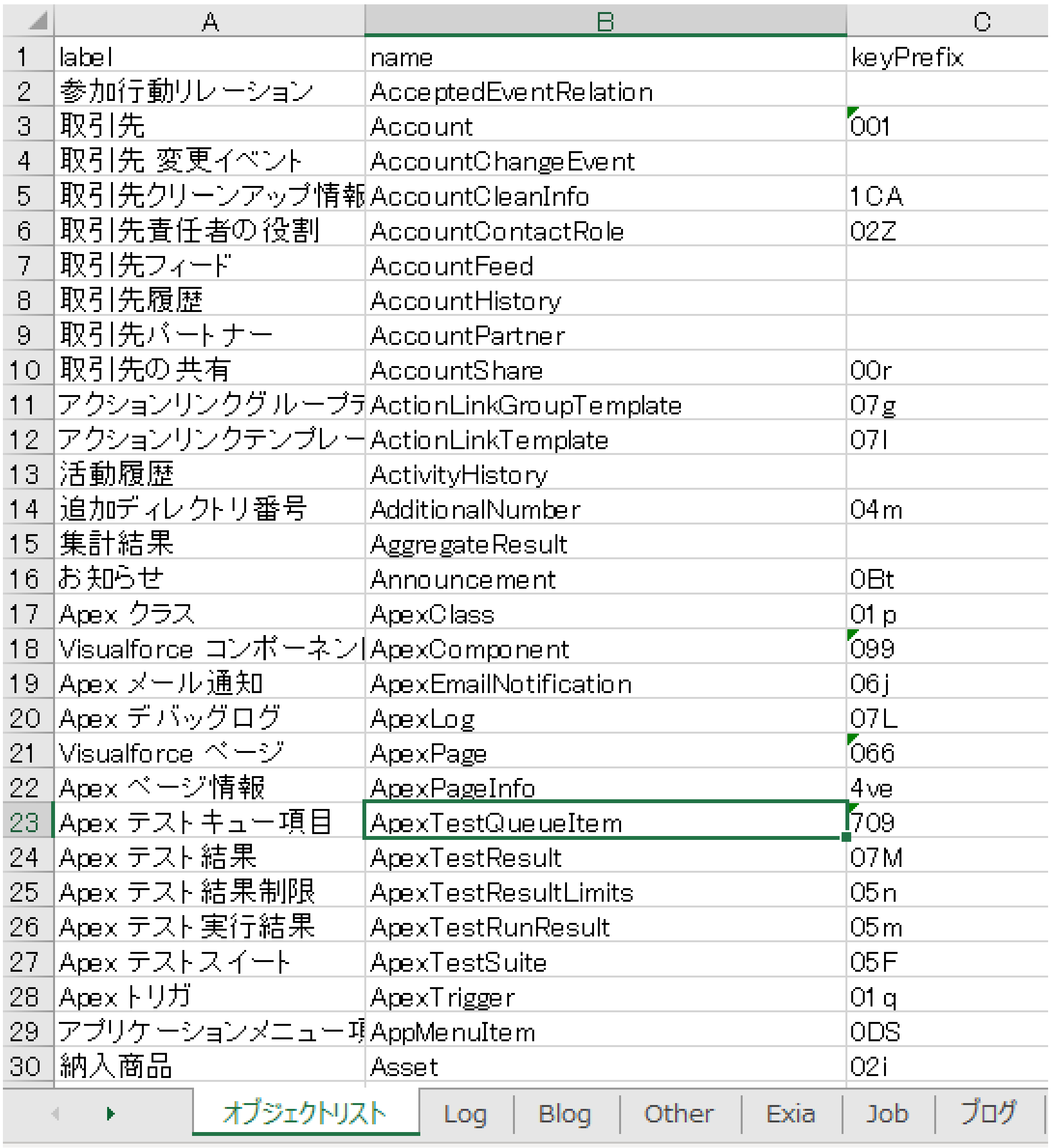
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Sobject Schema To Excel

Open Sublime-Menu : SFDC-XY > Sobject > Export Sobject Schema To Excel



Example,



	A	B	C
1	label	name	keyPrefix
2	参加行動リレーション	AcceptedEventRelation	
3	取引先	Account	001
4	取引先 変更イベント	AccountChangeEvent	
5	取引先クリーンアップ情報	AccountCleanInfo	1CA
6	取引先責任者の役割	AccountContactRole	02Z
7	取引先フィード	AccountFeed	
8	取引先履歴	AccountHistory	
9	取引先パートナー	AccountPartner	
10	取引先の共有	AccountShare	00r
11	アクションリンクグループテ	ActionLinkGroupTemplate	07g
12	アクションリンクテンプレー	ActionLinkTemplate	07l
13	活動履歴	ActivityHistory	
14	追加ディレクトリ番号	AdditionalNumber	04m
15	集計結果	AggregateResult	
16	お知らせ	Announcement	0Bt
17	Apex クラス	ApexClass	01p
18	Visualforce コンポーネン	ApexComponent	099
19	Apex メール通知	ApexEmailNotification	06j
20	Apex デバッグログ	ApexLog	07L
21	Visualforce ページ	ApexPage	066
22	Apex ページ情報	ApexPageInfo	4ve
23	Apex テストキュー項目	ApexTestQueueItem	709
24	Apex テスト結果	ApexTestResult	07M
25	Apex テスト結果制限	ApexTestResultLimits	05n
26	Apex テスト実行結果	ApexTestRunResult	05m
27	Apex テストスイート	ApexTestSuite	05F
28	Apex トリガ	ApexTrigger	01q
29	アプリケーションメニュー項	AppMenuItem	0DS
30	納入商品	Asset	02i

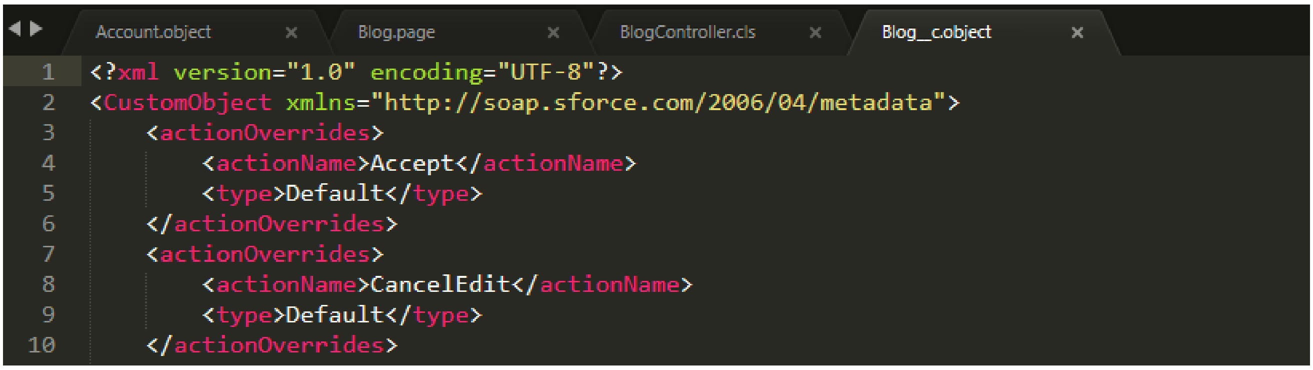
Use SalesforceXytoolsForSublime Salesforce Deploy Package

Topic

- Use SalesforceXytoolsForSublime To Build Salesforce Deploy Package

Example

Example, Open `Account.object`, `Blog.page`, `BlogController.cls`, `Blog__c.object` in Sublime



```
<?xml version="1.0" encoding="UTF-8"?>
<CustomObject xmlns="http://soap.sforce.com/2006/04/metadata">
    <actionOverrides>
        <actionName>Accept</actionName>
        <type>Default</type>
    </actionOverrides>
    <actionOverrides>
        <actionName>CancelEdit</actionName>
        <type>Default</type>
    </actionOverrides>
```

> Sublime-Menu : SFDC-XY > Package Builder > Build Deploy package From Open Files
>
> Input your save path

You can build package.xml like below.

```
src
  �? package.xml
  �?
  ├─classes
  �?      BlogController.cls
  �?      BlogController.cls-meta.xml
  �?
  ├─objects
  �?      Account.object
  �?      Blog__c.object
  �?
  └─pages
          Blog.page
          Blog.page-meta.xml
```

about package.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Package xmlns="http://soap.sforce.com/2006/04/metadata">

    <types>
```

```
        <members>Blog</members>
        <name>ApexPage</name>
    </types>
    <types>
        <members>BlogController</members>
        <name>ApexClass</name>
    </types>
    <types>
        <members>Account</members>
        <members>Blog__c</members>
        <name>CustomObject</name>
    </types>
    <version>42.0</version>
</Package>
```

Salesforce package.xml Auto Builder

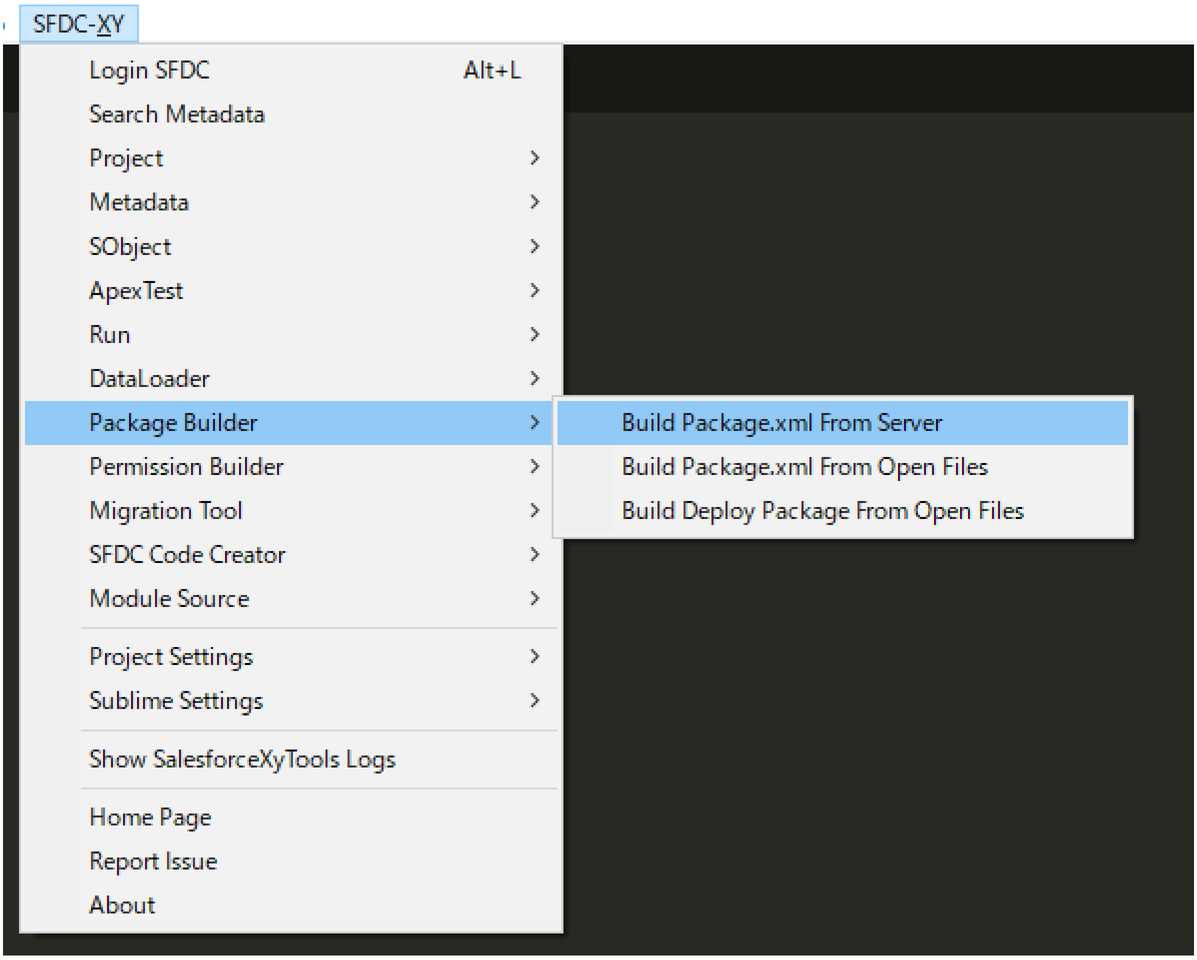
Topic

- Use SalesforceXytoolsForSublime To Build package.xml

> There are 2 ways to build package.xml
>
> 1. Build From SFDC API.
> 2. Use local file to build package.xml.

Build package.xml From Server

> Sublime-Menu :SFDC-XY > Package Builder > Build Package.xml From Server

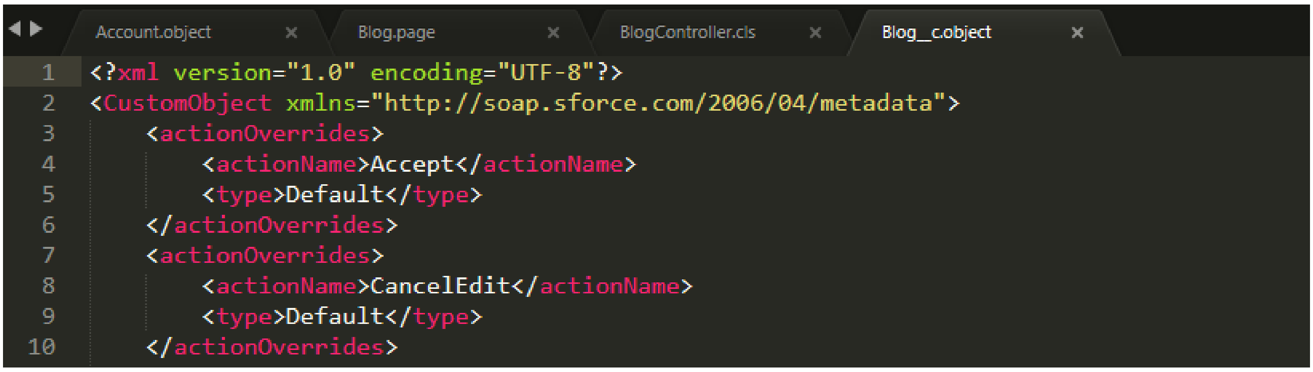


You can build package.xml like below.

```
<?xml version="1.0" encoding="UTF-8"?>
<Package xmlns="http://soap.sforce.com/2006/04/metadata">

    <types>
        <members>*</members>
        <name>InstalledPackage</name>
    </types>
    <types>
        <members>*</members>
        <name>CustomLabels</name>
    </types>
    <types>
        <members>*</members>
        <name>StaticResource</name>
    </types>
   ............
   ............
   ............
   ............
   ............
   ............
   ............
   ............
    <types>
        <members>*</members>
        <name>Settings</name>
    </types>
    <version>42.0</version>
</Package>
```

Build package.xml From Open Files

Example, Open `Account.object`, `Blog.page`, `BlogController.cls`, `Blog__c.object` in Sublime



```
<?xml version="1.0" encoding="UTF-8"?>
<CustomObject xmlns="http://soap.sforce.com/2006/04/metadata">
    <actionOverrides>
        <actionName>Accept</actionName>
        <type>Default</type>
    </actionOverrides>
    <actionOverrides>
        <actionName>CancelEdit</actionName>
        <type>Default</type>
    </actionOverrides>
```

> Sublime-Menu : SFDC-XY > Package Builder > Build package.xml From Open Files

You can build package.xml like below.

```
<?xml version="1.0" encoding="UTF-8"?>
<Package xmlns="http://soap.sforce.com/2006/04/metadata">

    <types>
        <members>Blog</members>
        <name>ApexPage</name>
    </types>
    <types>
        <members>BlogController</members>
        <name>ApexClass</name>
    </types>
    <types>
        <members>Account</members>
        <members>Blog__c</members>
        <name>CustomObject</name>
    </types>
    <version>42.0</version>
</Package>
```

Summary

Package Builder

Build Package.xml From Server

`Package Builder > Build Package.xml From Server` Export all package.xml from server

Build Package.xml From Server From Open Files

```
Package Builder > Build Package.xml From Open Files
```

Build The deploy package from open files

`Package Builder > Build Deploy Package From Open Files` This is only copy the open files to a dir, not deploy to server.

How to export Apex Code Coverage

Topic

- Use SalesforceXytoolsForSublime To Export `Apex Code Coverage`

> 1. Export `Apex Code Coverage`

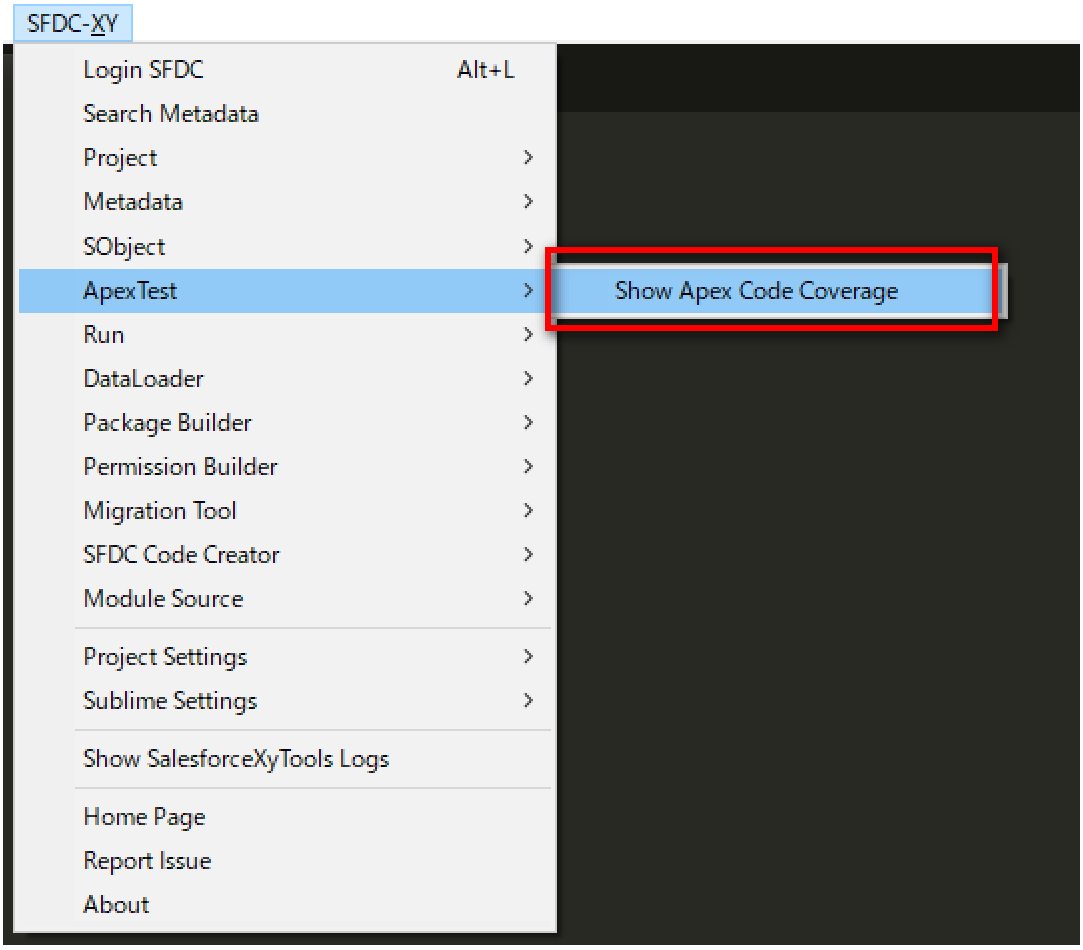
Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

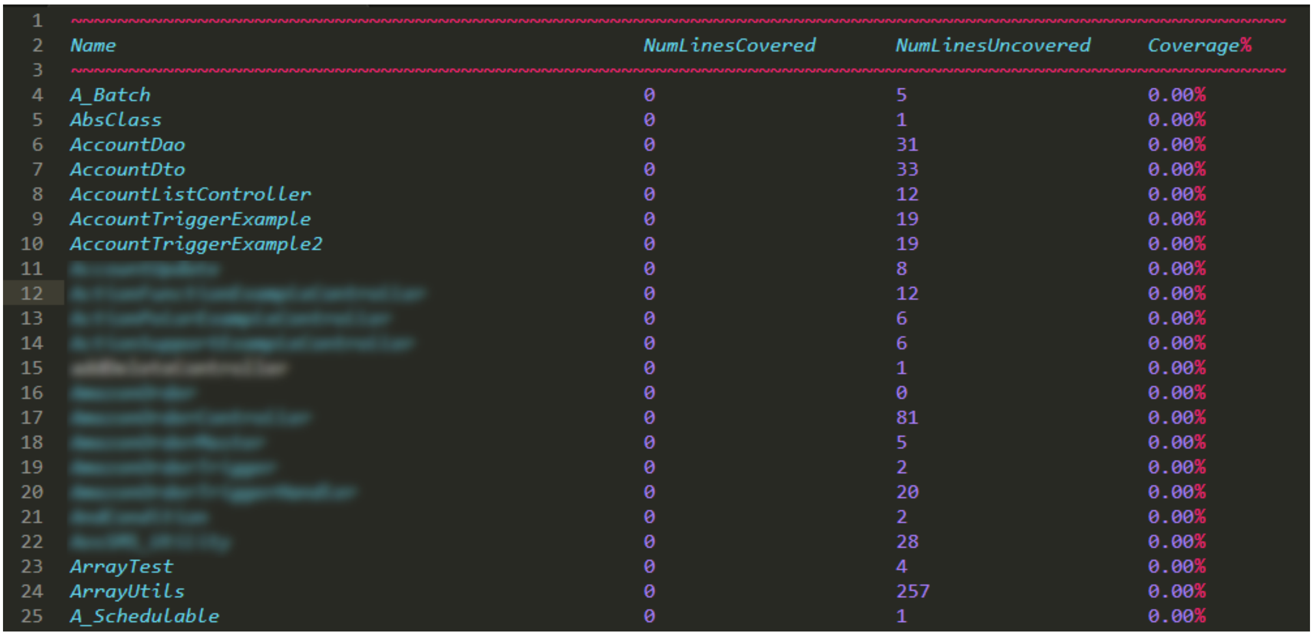
Sobject

Open SObject Manager Page

`ApexTest > Show Apex Code Coverage`



Result



```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Name                                              NumLinesCovered       NumLinesUncovered    Coverage%
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
A_Batch                                           0                     5                    0.00%
AbsClass                                          0                     1                    0.00%
AccountDao                                        0                     31                   0.00%
AccountDto                                        0                     33                   0.00%
AccountListController                             0                     12                   0.00%
AccountTriggerExample                             0                     19                   0.00%
AccountTriggerExample2                            0                     19                   0.00%
[redacted]                                        0                     8                    0.00%
[redacted]                                        0                     12                   0.00%
[redacted]                                        0                     6                    0.00%
[redacted]                                        0                     6                    0.00%
[redacted]                                        0                     1                    0.00%
[redacted]                                        0                     0                    0.00%
[redacted]                                        0                     81                   0.00%
[redacted]                                        0                     5                    0.00%
[redacted]                                        0                     2                    0.00%
[redacted]                                        0                     20                   0.00%
[redacted]                                        0                     2                    0.00%
[redacted]                                        0                     28                   0.00%
ArrayTest                                         0                     4                    0.00%
ArrayUtils                                        0                     257                  0.00%
A_Schedulable                                     0                     1                    0.00%
```

PermissionSet Builder

Topic

- Use SalesforceXytoolsForSublime To Build fieldPermission and objectPermission

> 1. Build permissionset file

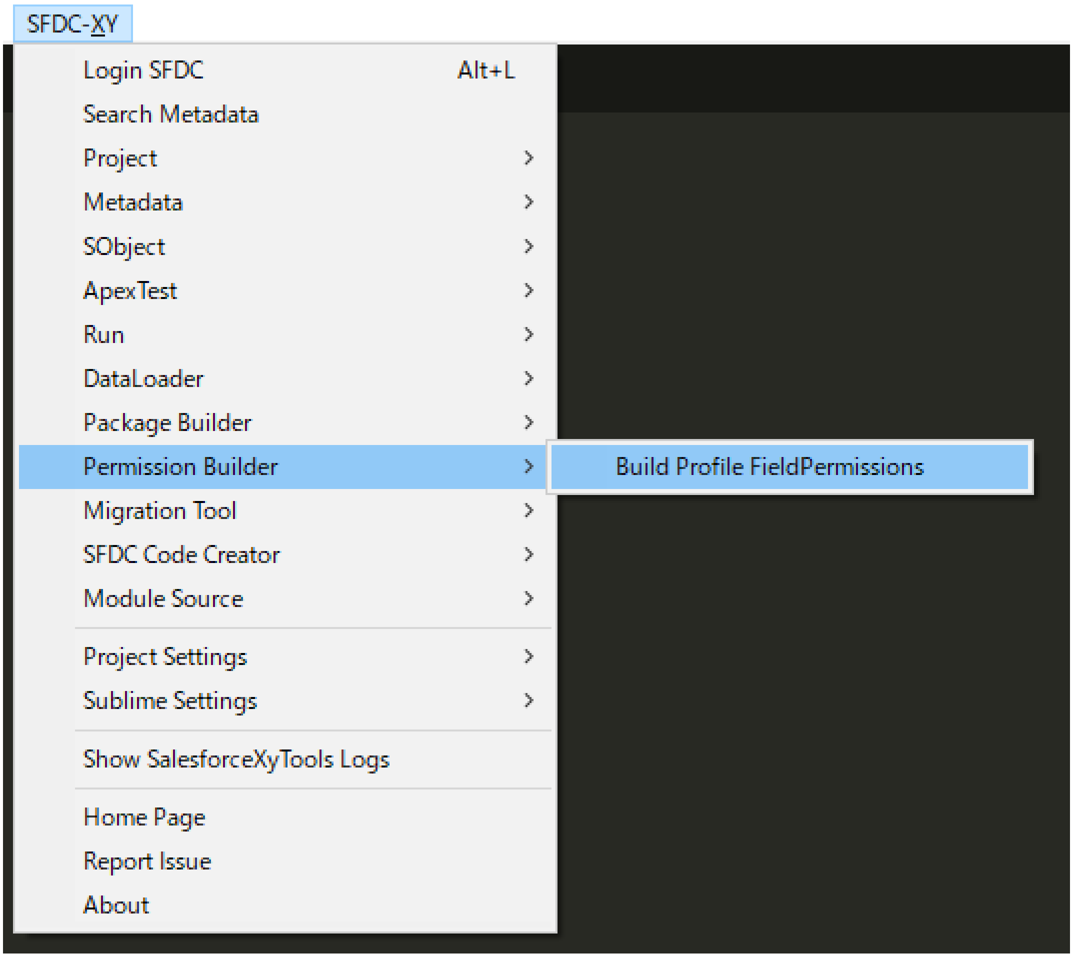
Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

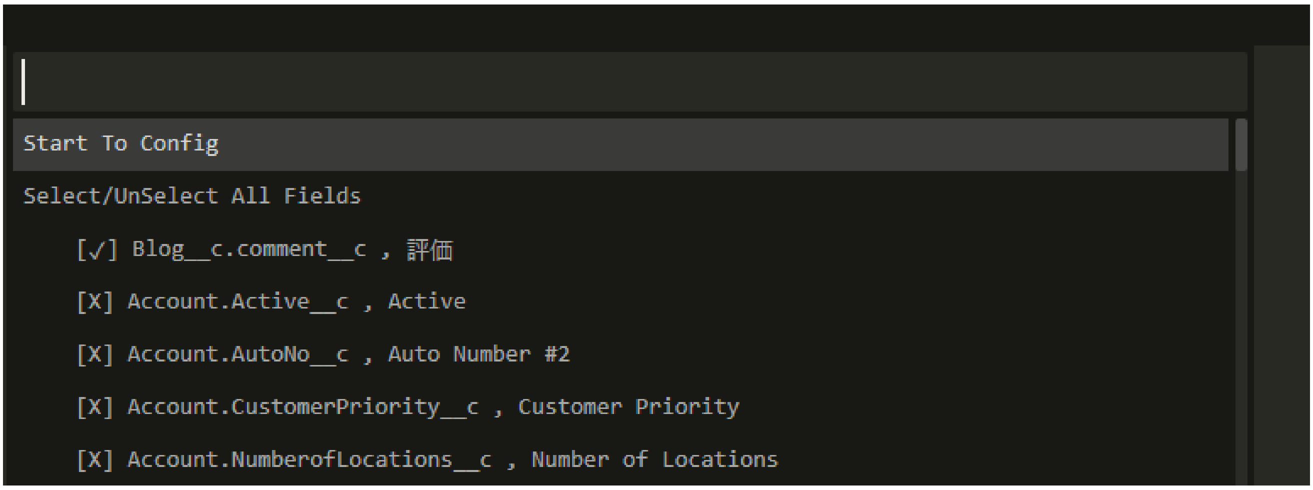
Create Permission.xml

Open SObject Manager Page

`Permission Builder> Build Profile FieldPermissions`



Select your field



```
Start To Config
Select/UnSelect All Fields
    [✓] Blog__c.comment__c , 評価
    [X] Account.Active__c , Active
    [X] Account.AutoNo__c , Auto Number #2
    [X] Account.CustomerPriority__c , Customer Priority
    [X] Account.NumberofLocations__c , Number of Locations
```

The Permissionset file :

```xml
<?xml version="1.0" ?>
<PermissionSet xmlns="http://soap.sforce.com/2006/04/metadata">
  <fieldPermissions>
    <editable>true</editable>
    <field>Blog__c.comment__c</field>
    <readable>true</readable>
  </fieldPermissions>
  <objectPermissions>
    <allowCreate>true</allowCreate>
    <allowDelete>true</allowDelete>
    <allowEdit>true</allowEdit>
    <allowRead>true</allowRead>
    <modifyAllRecords>true</modifyAllRecords>
    <object>Blog__c</object>
    <viewAllRecords>true</viewAllRecords>
  </objectPermissions>
  <hasActivationRequired>false</hasActivationRequired>
  <label>AllPermission</label>
  <license>Salesforce</license>
</PermissionSet>
```

Deploy permission.xml

right click , deploy it.

Soql Creator

Topic

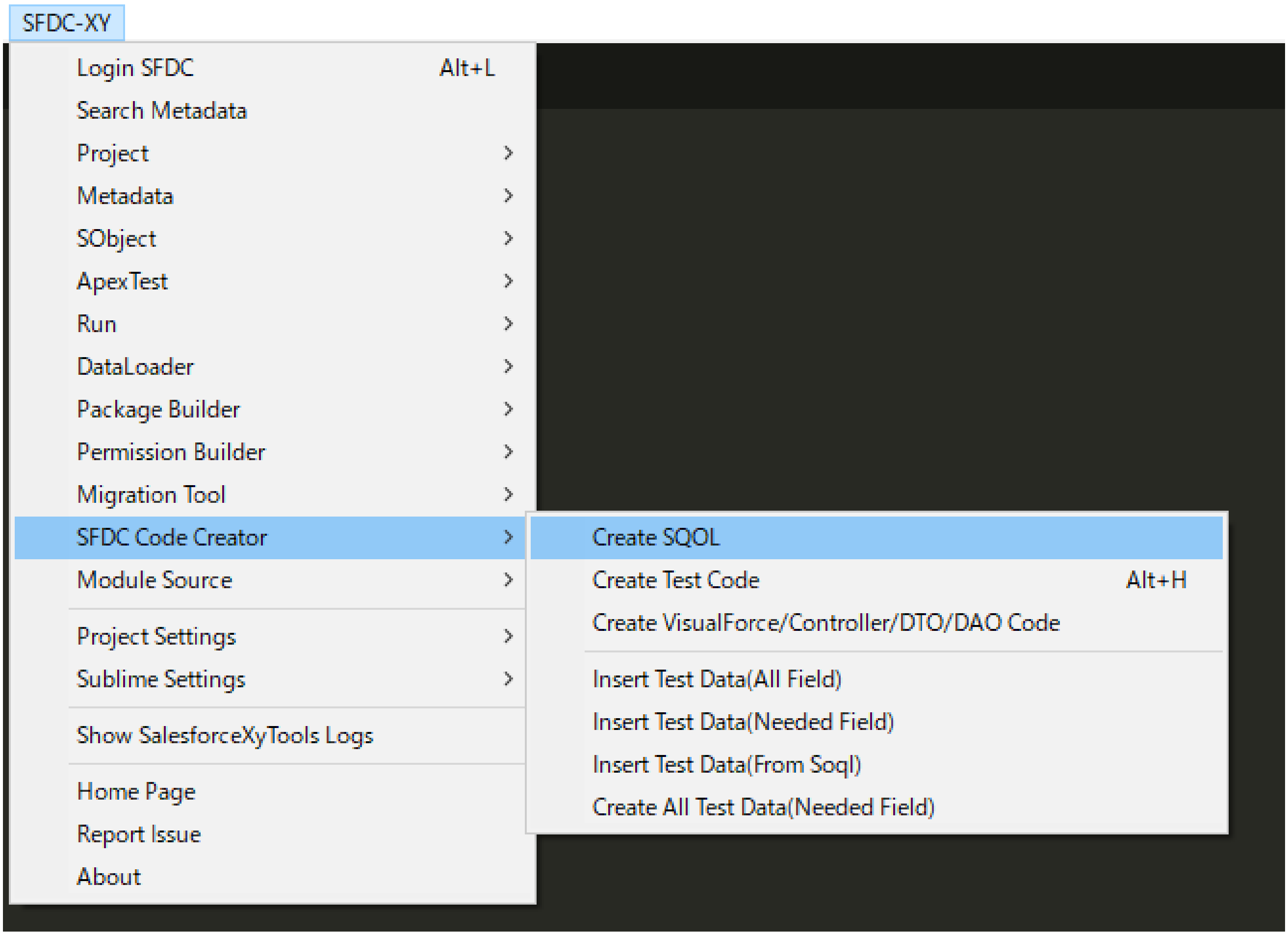
- Use SalesforceXytoolsForSublime To Create soql

Environment

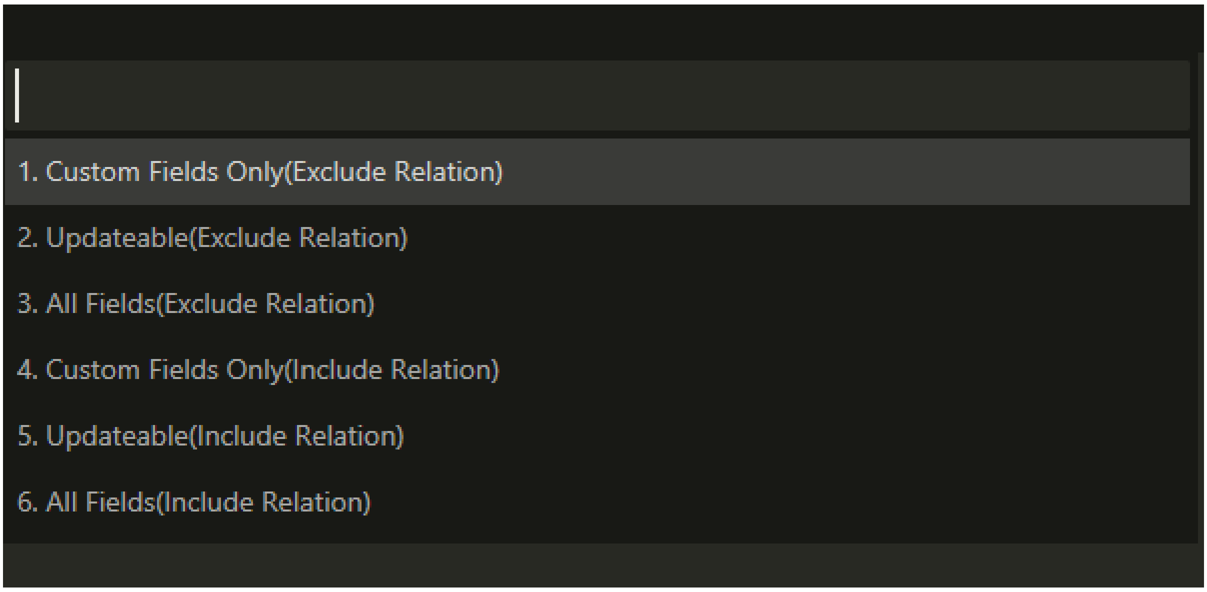
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Create Soql

`SFDC Code Creator > Create Soql`



Select Soql Type



1. Custom Fields Only(Exclude Relation)

2. Updateable(Exclude Relation)

3. All Fields(Exclude Relation)

4. Custom Fields Only(Include Relation)

5. Updateable(Include Relation)

6. All Fields(Include Relation)

result :

```
select
            Id,             //カスタムオブジェクト ID
            OwnerId,                //所有�?ID
            IsDeleted,              //削除
            Name,               //ブログNo
            RecordTypeId,               //レコードタイ�?ID
            CreatedDate,                //作成�?
            CreatedById,                //作成�?ID
            LastModifiedDate,               //最終更新日
            LastModifiedById,               //最終更新�?ID
            SystemModstamp,             //System Modstamp
            LastViewedDate,             //最終閲覧日
            LastReferencedDate,             //最終参照日
            comment__c,             //評価
            comment_status__c,              //評価ステータ�?
            content__c,             //内容
            excerpt__c,             //概要
            status__c,              //ステータ�?
            title__c,               //タイトル
            ReadOnlyTest__c,                //ReadOnlyTest
            FormulaTest__c,             //数式テス�?
            Account__c              //取引�?
from Blog__c
```

Save Your Sfdc Module and build a deploy module package

Topic

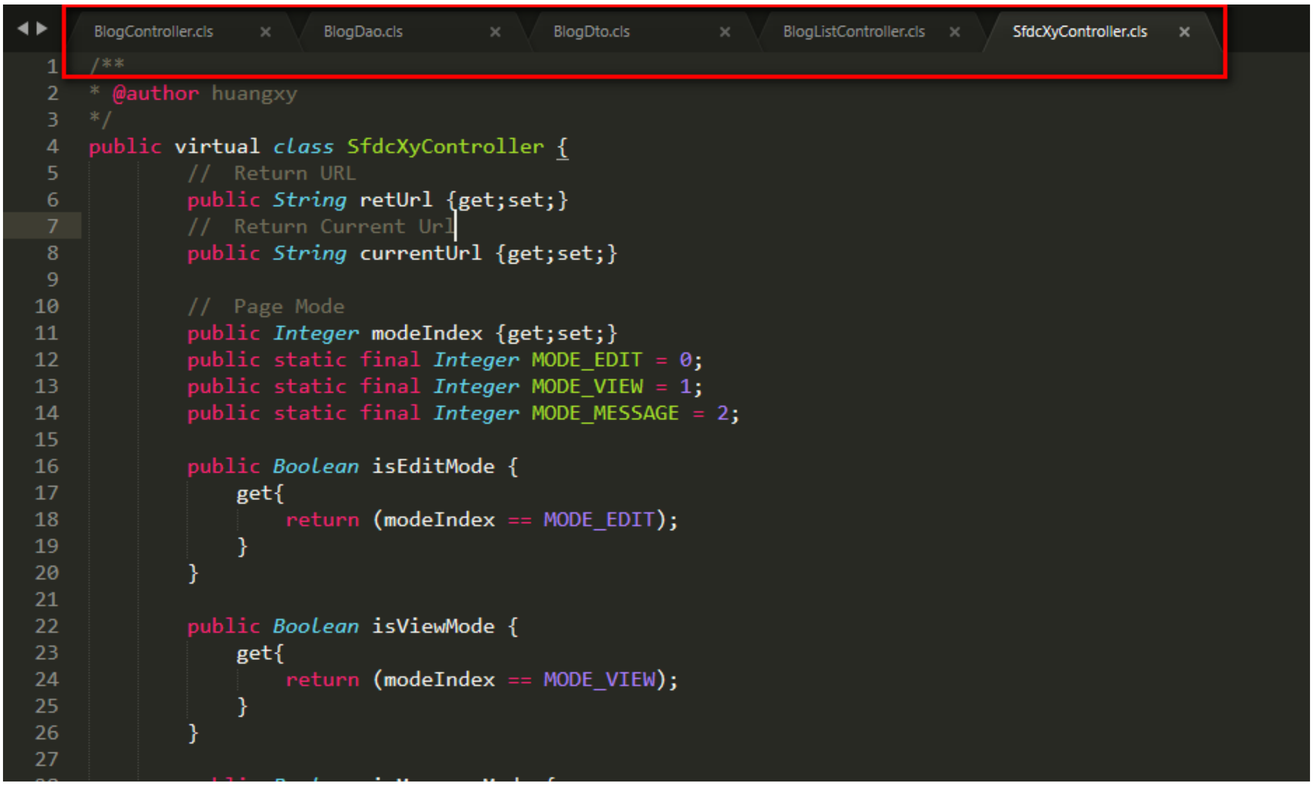
- Use SalesforceXytoolsForSublime To Save your sfdc module
- deploy module package

Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

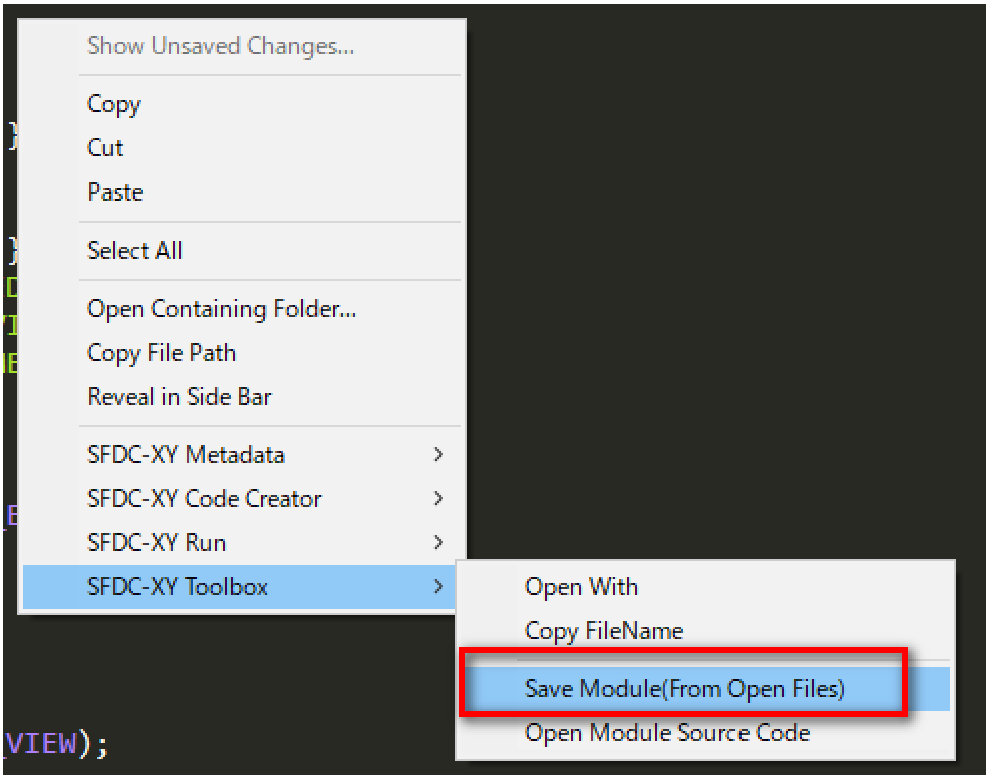
Save a module

Open the source.

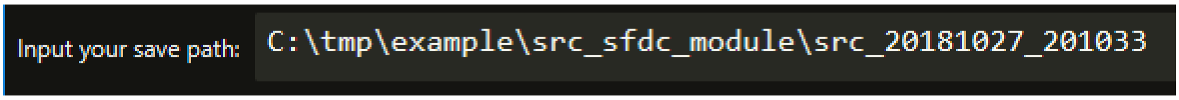


```
/**
* @author huangxy
*/
public virtual class SfdcXyController {
        //  Return URL
        public String retUrl {get;set;}
        //  Return Current Url
        public String currentUrl {get;set;}

        //  Page Mode
        public Integer modeIndex {get;set;}
        public static final Integer MODE_EDIT = 0;
        public static final Integer MODE_VIEW = 1;
        public static final Integer MODE_MESSAGE = 2;

        public Boolean isEditMode {
            get{
                return (modeIndex == MODE_EDIT);
            }
        }

        public Boolean isViewMode {
            get{
                return (modeIndex == MODE_VIEW);
            }
        }

```

Right Click , `SFDC-XY Toolbox> Save Module(From Open Files)`

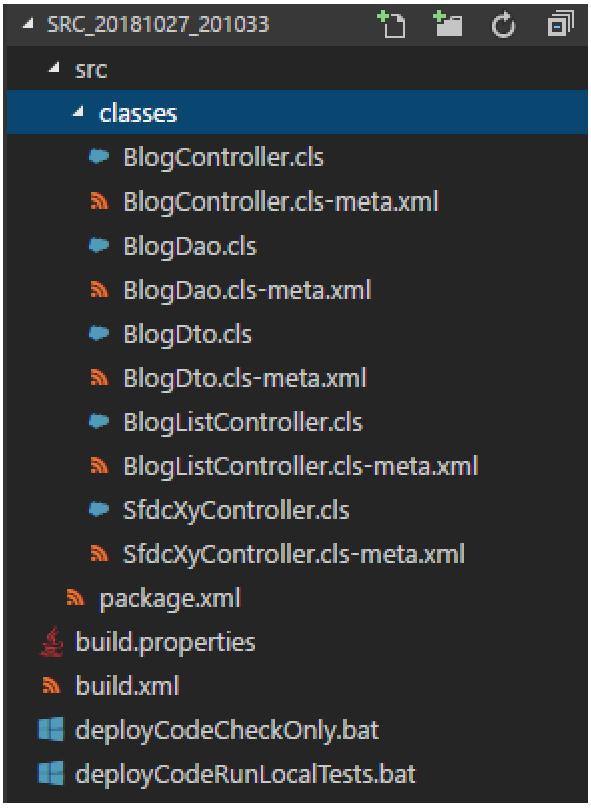


Input your save path



Input your save path: C:\tmp\example\src_sfdc_module\src_20181027_201033

Check your module



SRC_20181027_201033
src
classes
BlogController.cls
BlogController.cls-meta.xml
BlogDao.cls
BlogDao.cls-meta.xml
BlogDto.cls
BlogDto.cls-meta.xml
BlogListController.cls
BlogListController.cls-meta.xml
SfdcXyController.cls
SfdcXyController.cls-meta.xml
package.xml
build.properties
build.xml
deployCodeCheckOnly.bat
deployCodeRunLocalTests.bat

Deploy your module

fix your target sfdc info

open `build.properties`

```
sf.username = {username}
sf.password = {password}
##sf.sessionId = <Insert your Salesforce session id here.  Use this or username/password above.  Cannot use both>
##sf.pkgName = <Insert comma separated package names to be retrieved>
##sf.zipFile = <Insert path of the zipfile to be retrieved>
##sf.metadataType = <Insert metadata type name for which listMetadata or bulkRetrieve operations are to be performed>

## Use 'https://login.salesforce.com' for production or developer edition (the default if not specified).
## Use 'https://test.salesforce.com for sandbox.
sf.serverurl = {serverurl}
sf.maxPoll = 500
sf.pollWaitMillis = 10000
## If your network requires an HTTP proxy, see http://ant.apache.org/manual/proxy.html for configuration.
##
```

windows

only check your code: click `deployCodeCheckOnly.bat` only!

deploy your code: click `deployCodeRunLocalTests.bat` only!

Linux/Mac

only check your code

```
ant deployCodeCheckOnly
```

deploy your code

```
ant deployCodeRunLocalTests
```

Search sfdc metadata

Topic

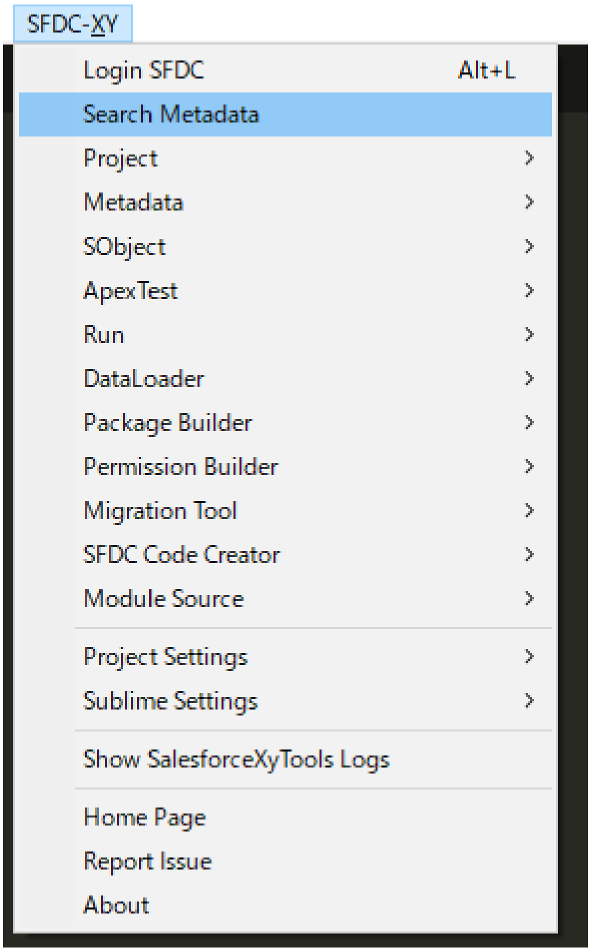
- Use SalesforceXytoolsForSublime To Search Metadata

Environment

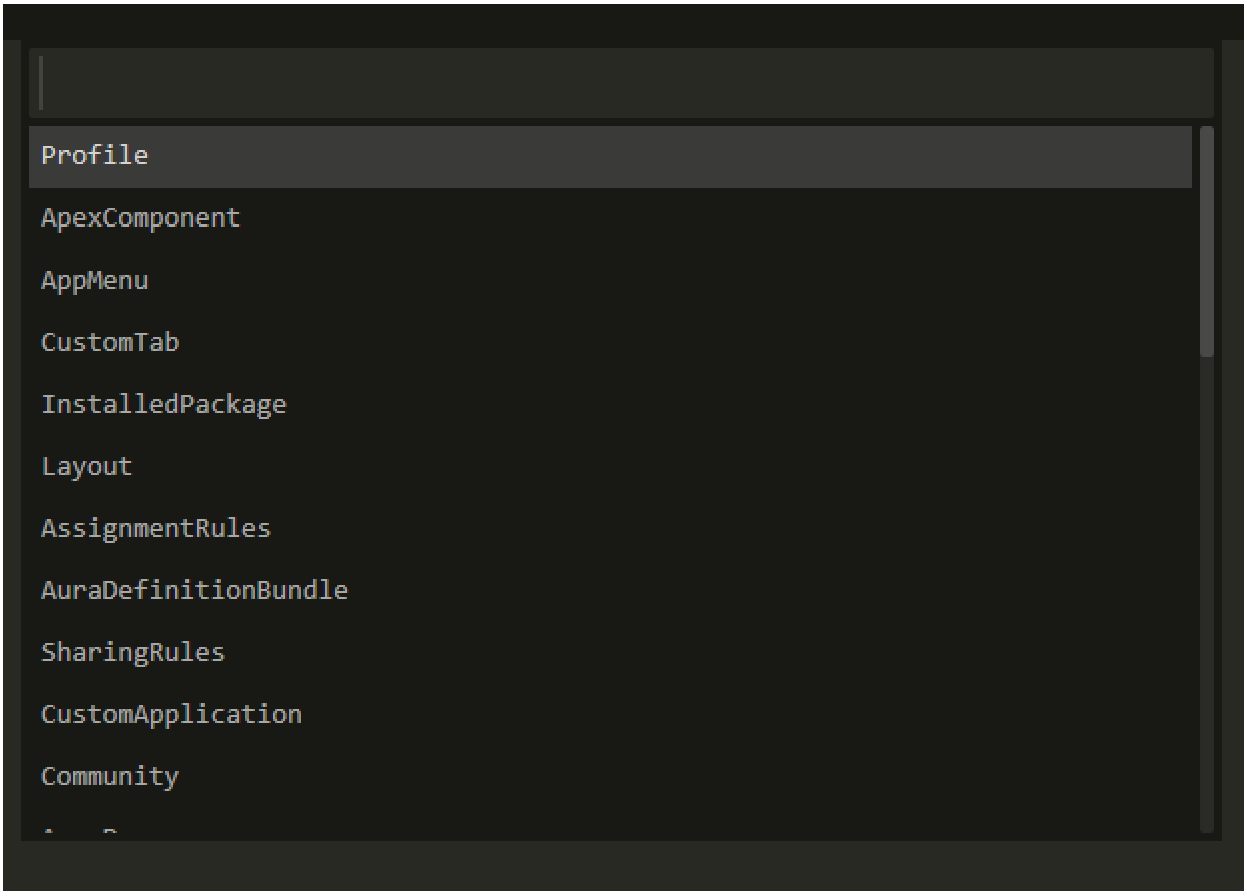
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Search Metadata

`SFDC-XY > Search Metadata`



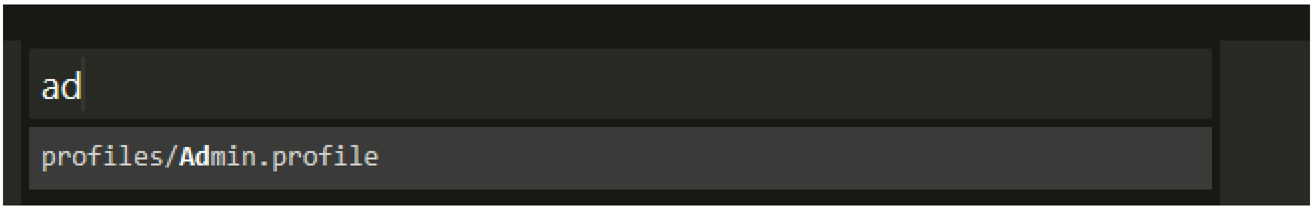
Select metadata type.



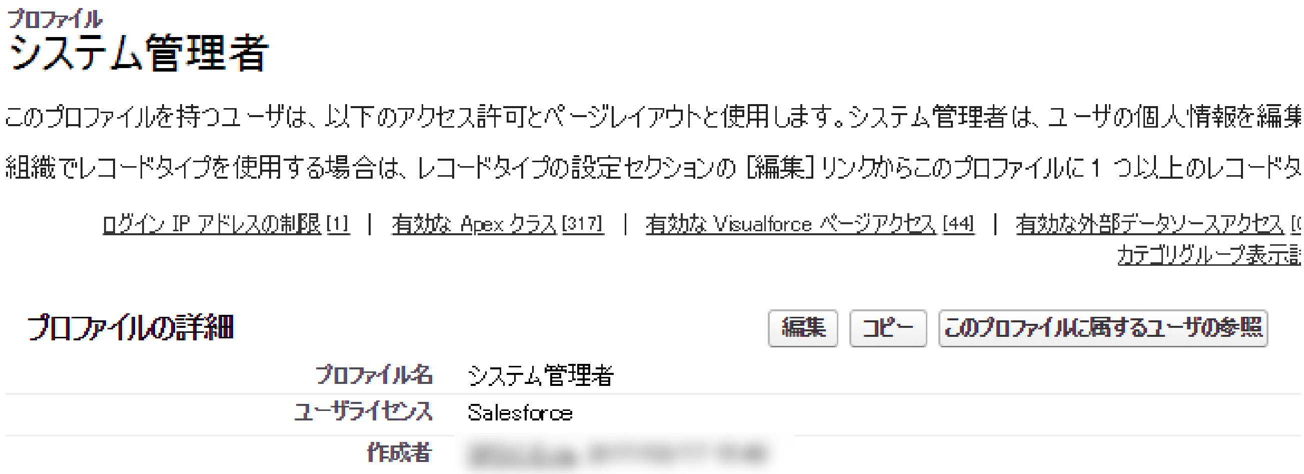
```
Profile
ApexComponent
AppMenu
CustomTab
InstalledPackage
Layout
AssignmentRules
AuraDefinitionBundle
SharingRules
CustomApplication
Community
```

For example, Select `Profile`, You can find the list of metadata.

Selcet `Admin.profile`, It will jump to sfdc Admin profile page.



```
ad
profiles/Admin.profile
```



プロファイル

システム管理者

このプロファイルを持つユーザは、以下のアクセス許可とページレイアウトと使用します。システム管理者は、ユーザの個人情報を編集

組織でレコードタイプを使用する場合は、レコードタイプの設定セクションの [編集] リンクからこのプロファイルに 1 つ以上のレコードタ

ログイン IP アドレスの制限 [1] | 有効な Apex クラス [317] | 有効な Visualforce ページアクセス [44] | 有効な外部データソースアクセス [
カテゴリグループ表示設

プロファイルの詳細

編集
コピー
このプロファイルに属するユーザの参照

プロファイル名	システム管理者
ユーザライセンス	Salesforce
作成者	[redacted]

Support Metadata Type

Copy a Lightning Component

Topic

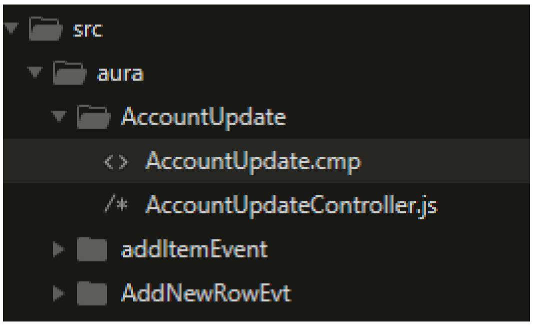
- Use SalesforceXytoolsForSublime To Copy a Lightning Component

Environment

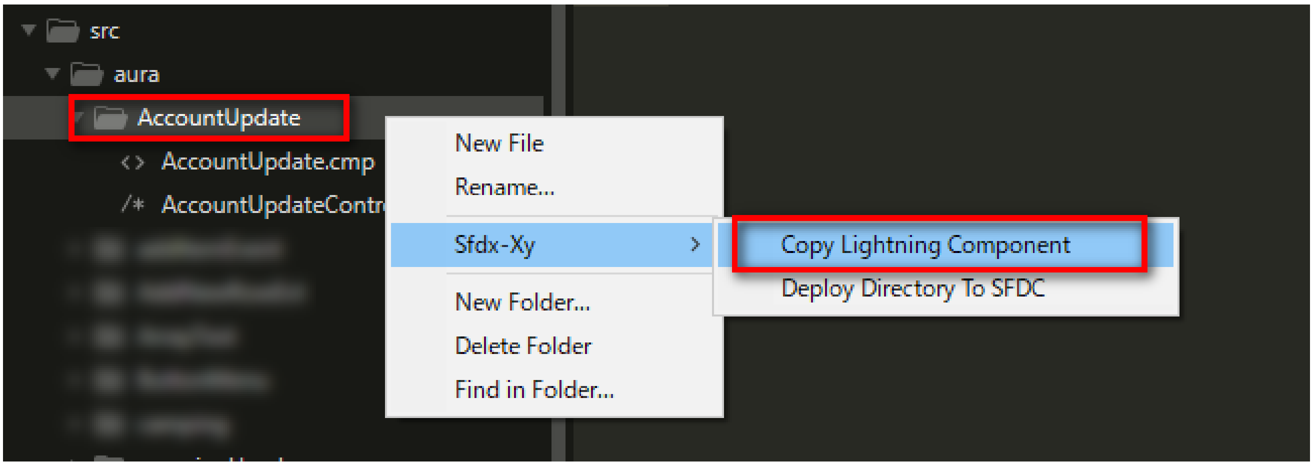
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Copy Lightning Component

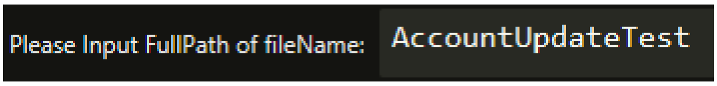
Select your Lightning component.



Right Click, `SFDC-Xy > Copy Lightning Component`.

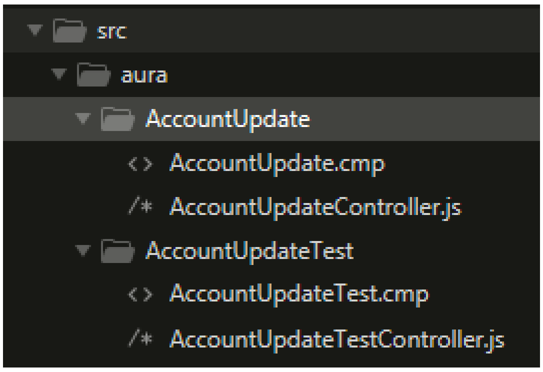


Input your new component name.



Please Input FullPath of fileName: AccountUpdateTest

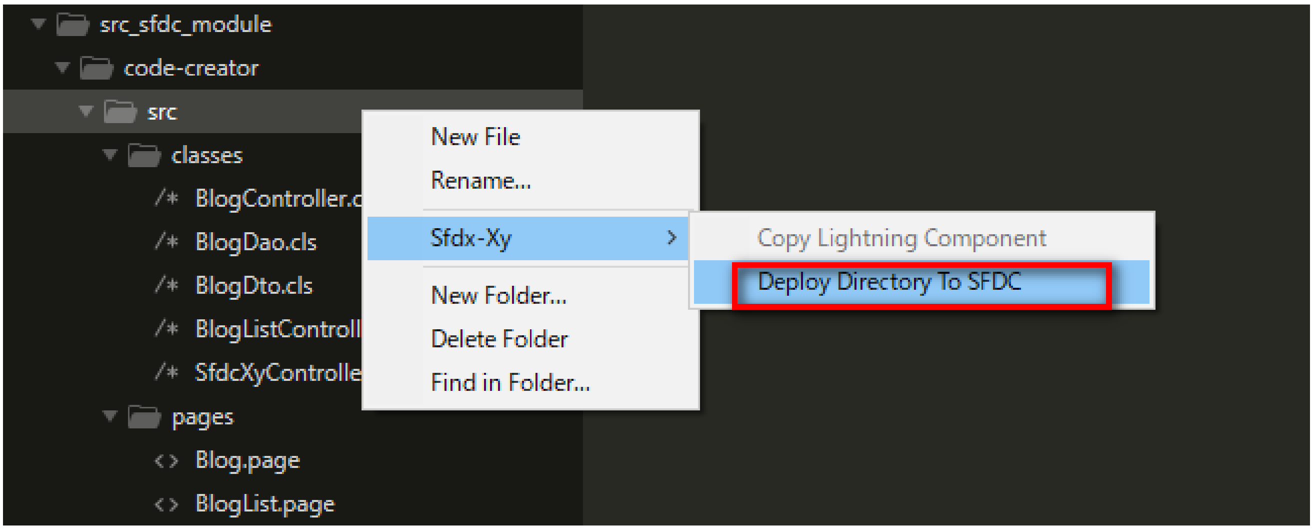
Check the new component.



Deploy The component

choose your folder or source in sublime folders, then right click.

Find the menu : `Sfdc-Xy > Deploy Directory To SFDC`



Lightning Web Components HelloWorld

Topic

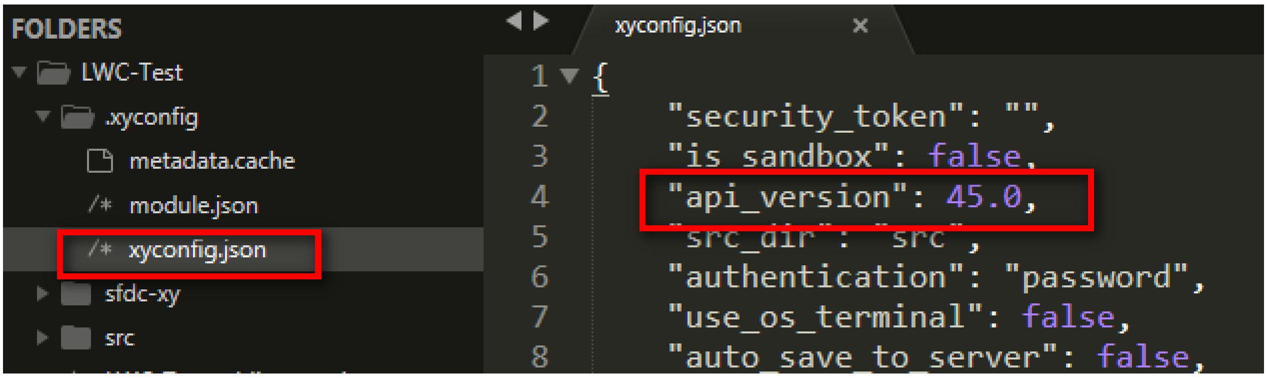
In this project, you'll:

- Install Sublime and Salesforcexytools.
- Set up your `java` and `ant` environment.
    - Auto config salesforce ant-migration-tools
- Create and deploy a Lightning web component.

Config Salesforcexytools

How to Config Salesforcexytools.

Please set your api `45.0`



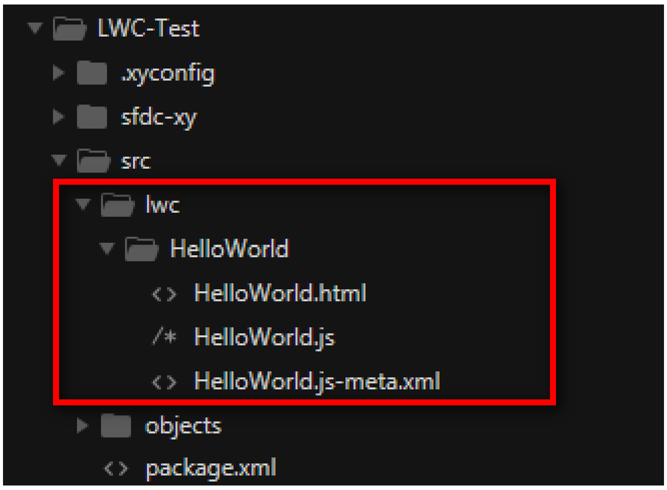
```
{
    "security_token": "",
    "is_sandbox": false,
    "api_version": 45.0,
    "src_dir": "src",
    "authentication": "password",
    "use_os_terminal": false,
    "auto_save_to_server": false,
```

Create a Hello World Lightning Web Component

create a Lightning web component.

The Source is From Create a Hello World Lightning Web Component

Create source in sublime, like below:



`helloworld.html`

```
<template>
    <lightning-card title="HelloWorld" icon-name="custom:custom14">
        <div class="slds-m-around_medium">
            <p>Hello, {greeting}!</p>
            <lightning-input label="Name" value={greeting} onchange={changeHandler}>
</lightning-input>
        </div>
    </lightning-card>
</template>
```

`helloworld.js`

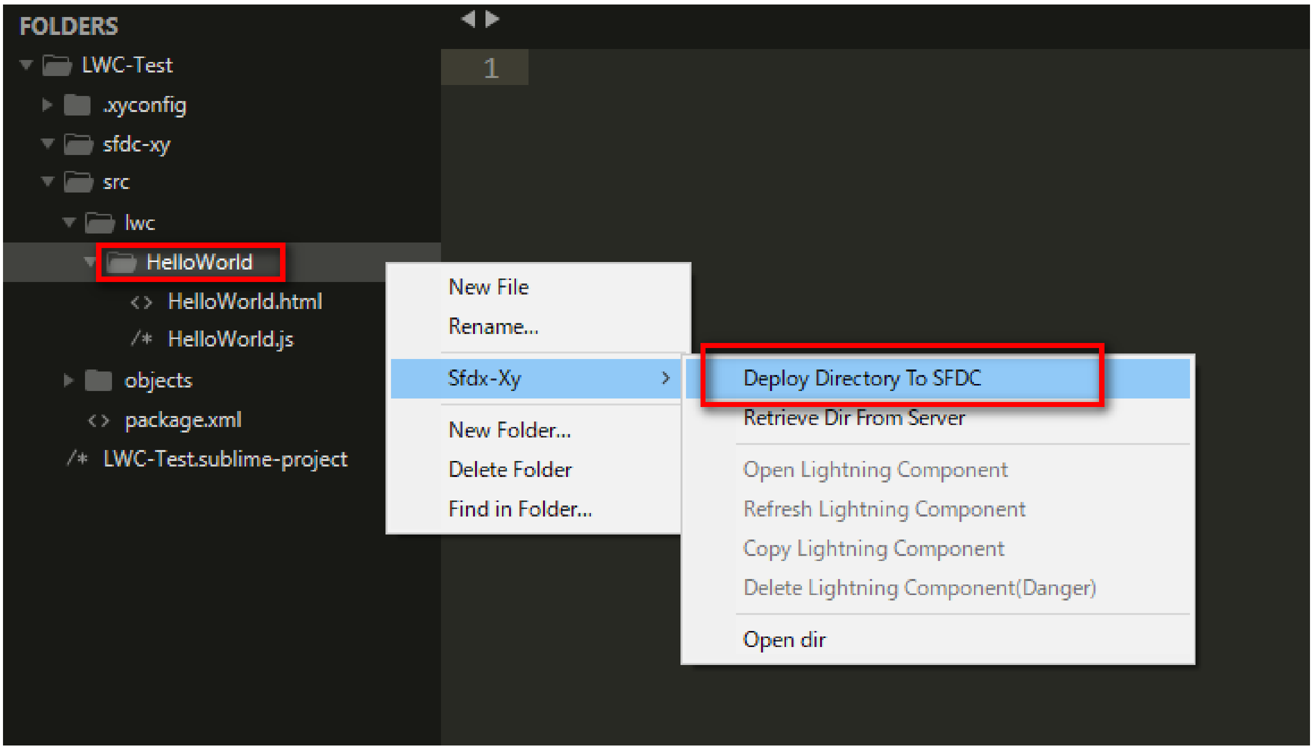
```
import { LightningElement, track } from 'lwc';
export default class HelloWorld extends LightningElement {
    @track greeting = 'World';
    changeHandler(event) {
        this.greeting = event.target.value;
    }
}
```

`helloworld.js-meta.xml`

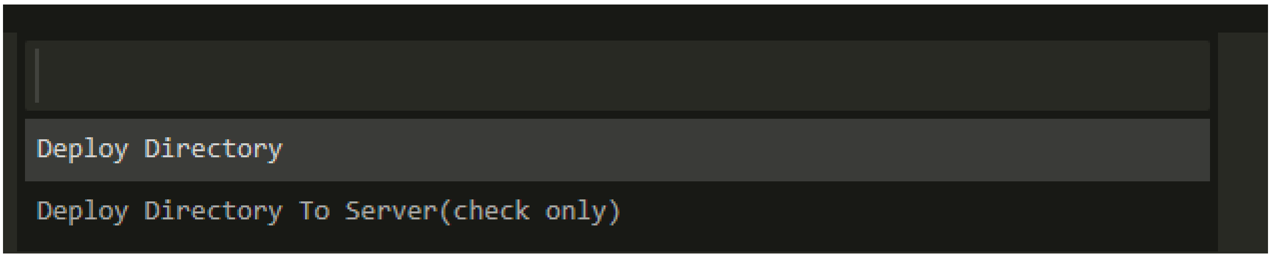
```
<?xml version="1.0" encoding="UTF-8"?>
<LightningComponentBundle xmlns="http://soap.sforce.com/2006/04/metadata"
fqn="helloworld">
  <apiVersion>45.0</apiVersion>
  <isExposed>true</isExposed>
  <targets>
    <target>lightning__AppPage</target>
    <target>lightning__RecordPage</target>
    <target>lightning__HomePage</target>
  </targets>
</LightningComponentBundle>
```

Deploy a Lightning web component

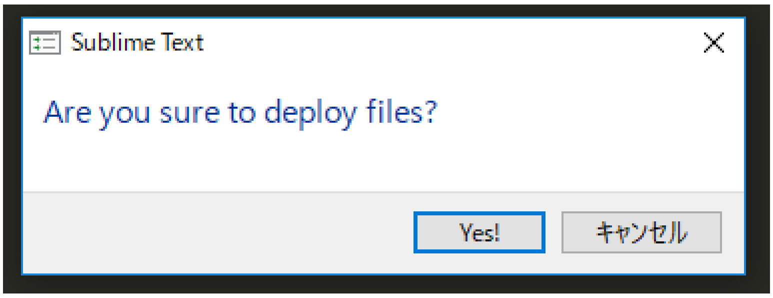
Right Click -> Deploy Directory To Server



Select Deploy Direcotry

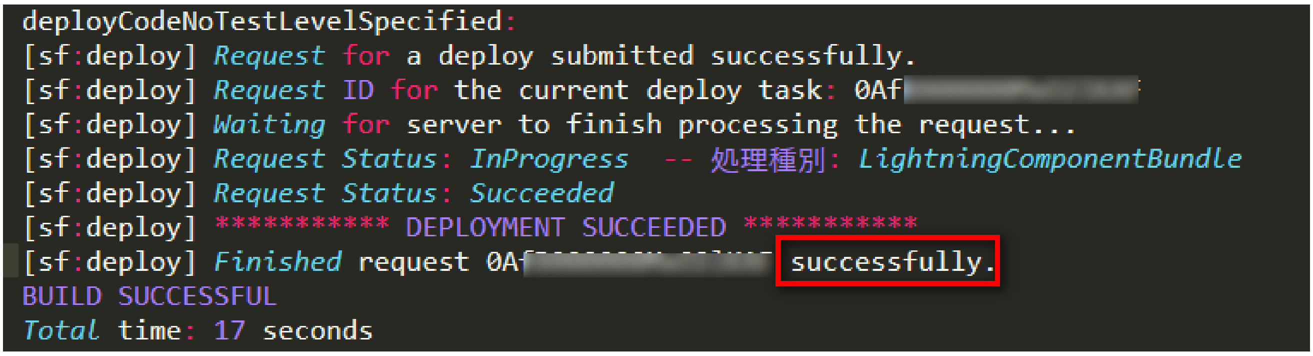


Click `Yes!`



Are you sure to deploy files?

Check the log



```
deployCodeNoTestLevelSpecified:
[sf:deploy] Request for a deploy submitted successfully.
[sf:deploy] Request ID for the current deploy task: 0Af[redacted]
[sf:deploy] Waiting for server to finish processing the request...
[sf:deploy] Request Status: InProgress  -- 処理種別: LightningComponentBundle
[sf:deploy] Request Status: Succeeded
[sf:deploy] *********** DEPLOYMENT SUCCEEDED ***********
[sf:deploy] Finished request 0A[redacted] successfully.
BUILD SUCCESSFUL
Total time: 17 seconds
```

Add Component to App in Lightning Experience

Please read Create a Hello World Lightning Web Component

Resources

Introducing Lightning Web Components

Quick Start: Lightning Web Components

Auto Create Salesforce VisualForce Apex

Topic

- Use SalesforceXytoolsForSublime To Auto Create VisualForce・Apex Controller・DTO・DAO
- Auto Build Detail Page
  - Record Input Page
  - Record Review Form
  - Save the Record
- Auto Build Record List Page
  - List All Records.
  - Search Record
  - Mass Edit Records
  - Records Review Form

Environment

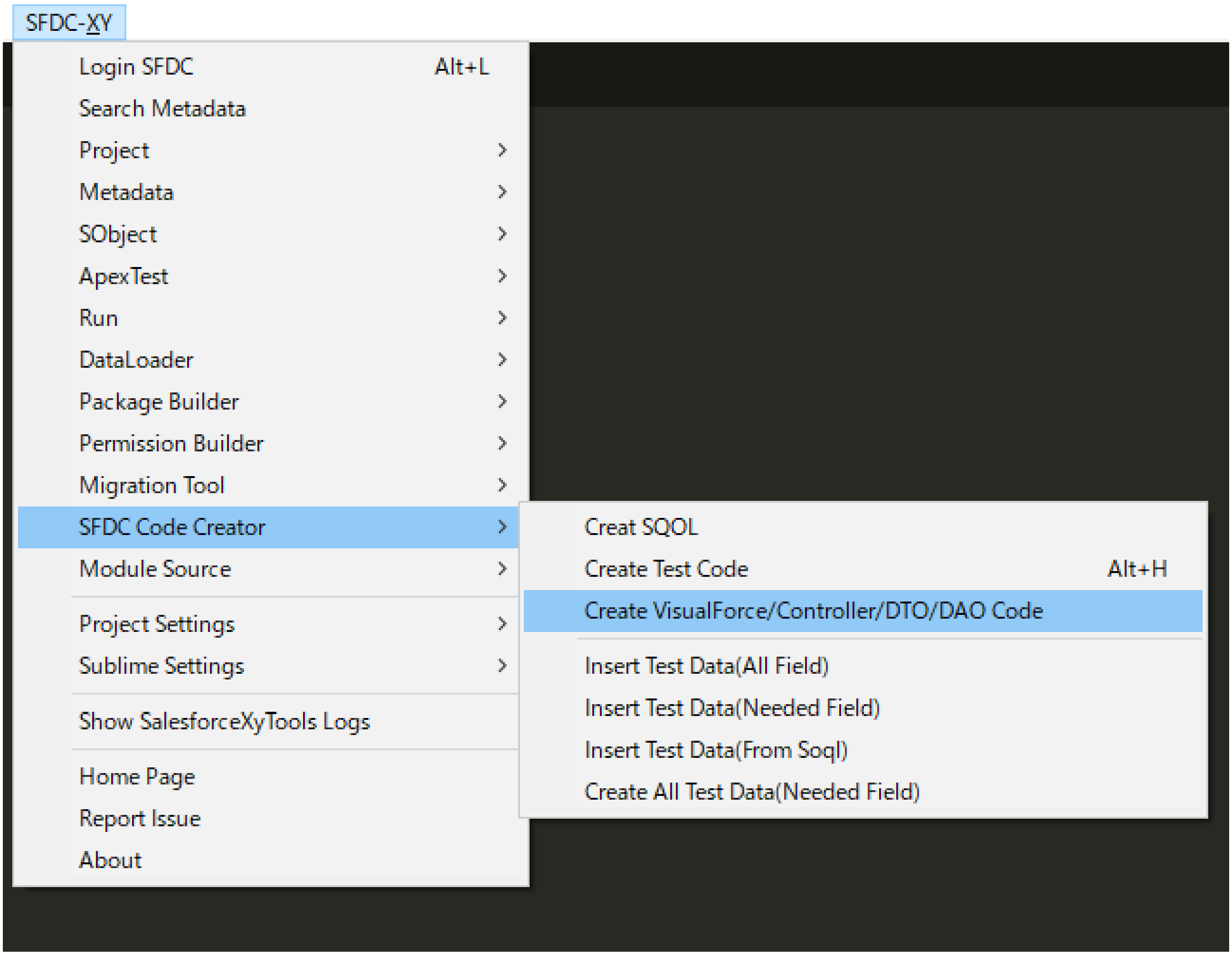
- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Auto Create VF-Controller-DTO-DAO-Code

> Tips: It just create the code in the localhost. It will not deploy to your sfdc server.

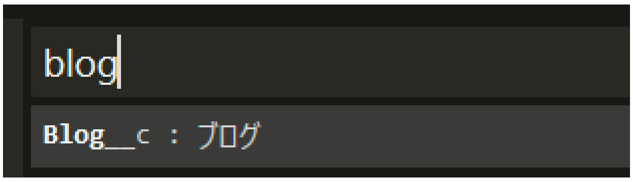
Find the menu

SFDC Code Creator > Create VisualForce/Controller/DTO/DAO Code

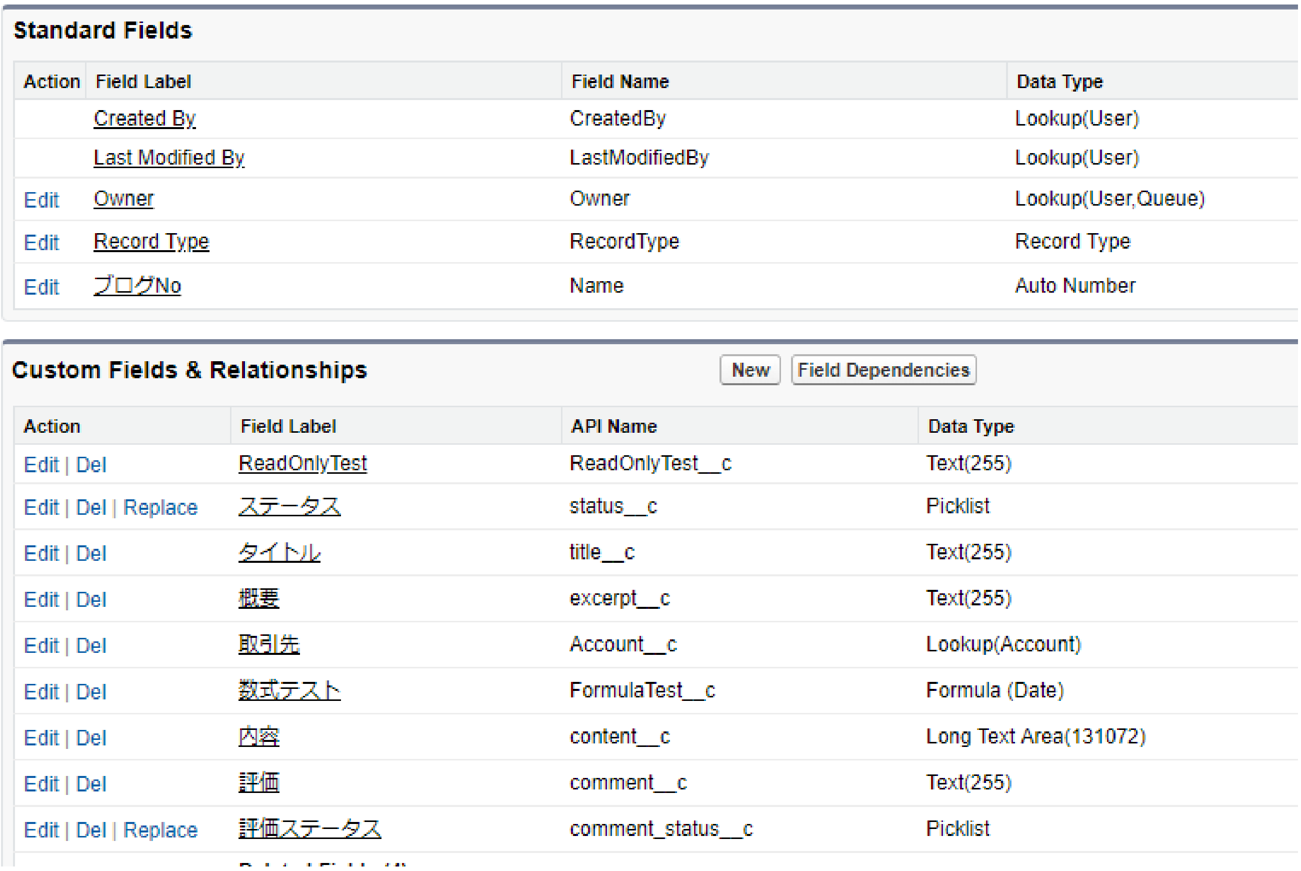


Choose your Sobject.

I will select `Blog__c`.



About `Blog__c`:



Standard Fields

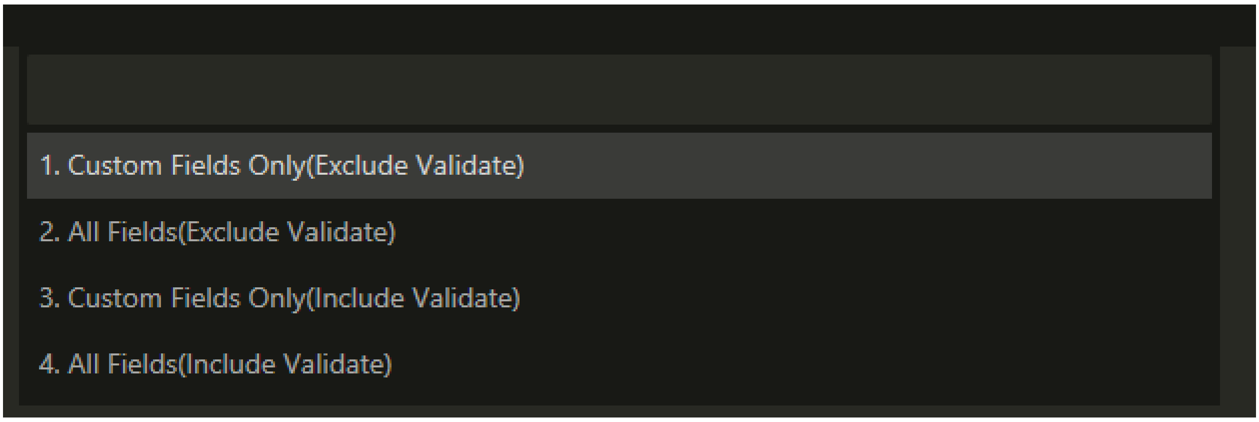
Action	Field Label	Field Name	Data Type
	Created By	CreatedBy	Lookup(User)
	Last Modified By	LastModifiedBy	Lookup(User)
Edit	Owner	Owner	Lookup(User,Queue)
Edit	Record Type	RecordType	Record Type
Edit	ブログNo	Name	Auto Number

Custom Fields & Relationships

Action	Field Label	API Name	Data Type
Edit | Del	ReadOnlyTest	ReadOnlyTest__c	Text(255)
Edit | Del | Replace	ステータス	status__c	Picklist
Edit | Del	タイトル	title__c	Text(255)
Edit | Del	概要	excerpt__c	Text(255)
Edit | Del	取引先	Account__c	Lookup(Account)
Edit | Del	数式テスト	FormulaTest__c	Formula (Date)
Edit | Del	内容	content__c	Long Text Area(131072)
Edit | Del	評価	comment__c	Text(255)
Edit | Del | Replace	評価ステータス	comment_status__c	Picklist

Select Custom Fields Or All Fields.

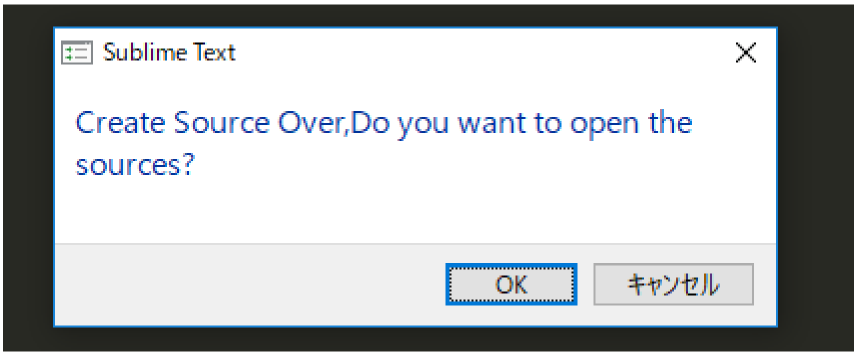
I will select `1.Custom fields Only(Exculde Validate)`.



1. Custom Fields Only(Exclude Validate)
2. All Fields(Exclude Validate)
3. Custom Fields Only(Include Validate)
4. All Fields(Include Validate)

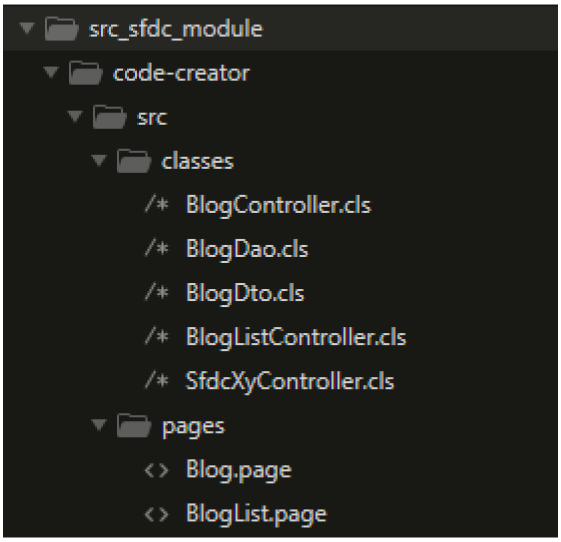
When It is done , It will show the popup like below.

There are many source will be opened if you choose `ok`.



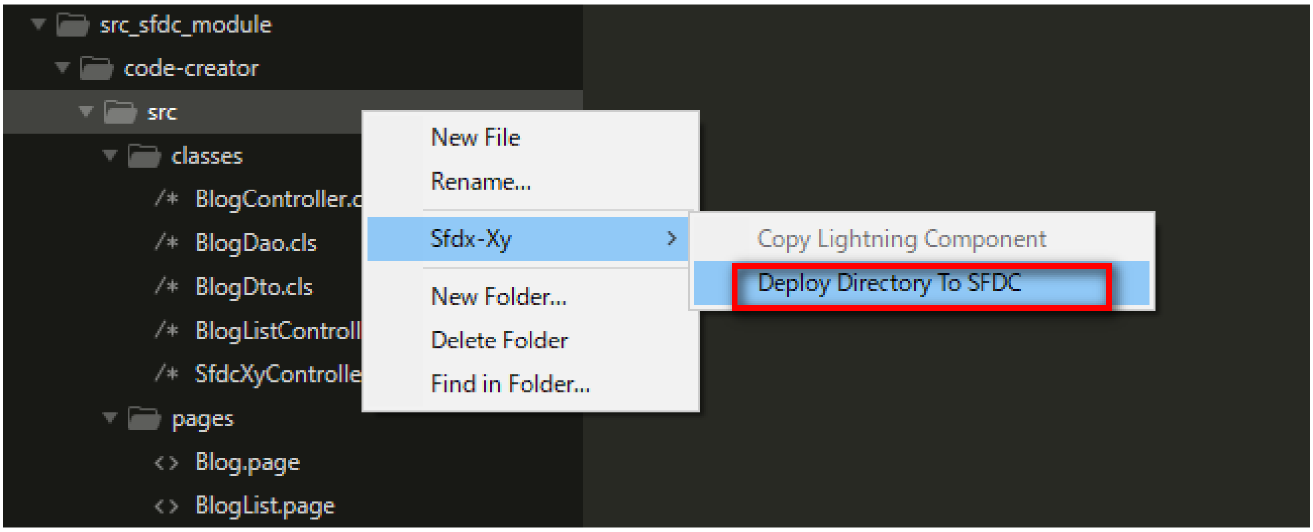
Create Source Over,Do you want to open the sources?

You can find the source in `./src_sfdc_module/code-creator/src`



Deploy the codes

choose the `src`, then right click, `Sfdc-Xy > Deploy Directory To SFDC`



> Tips : If you build a complex page , maybe you can not deploy correctly. Fix the codes, then deploy them.

Run it

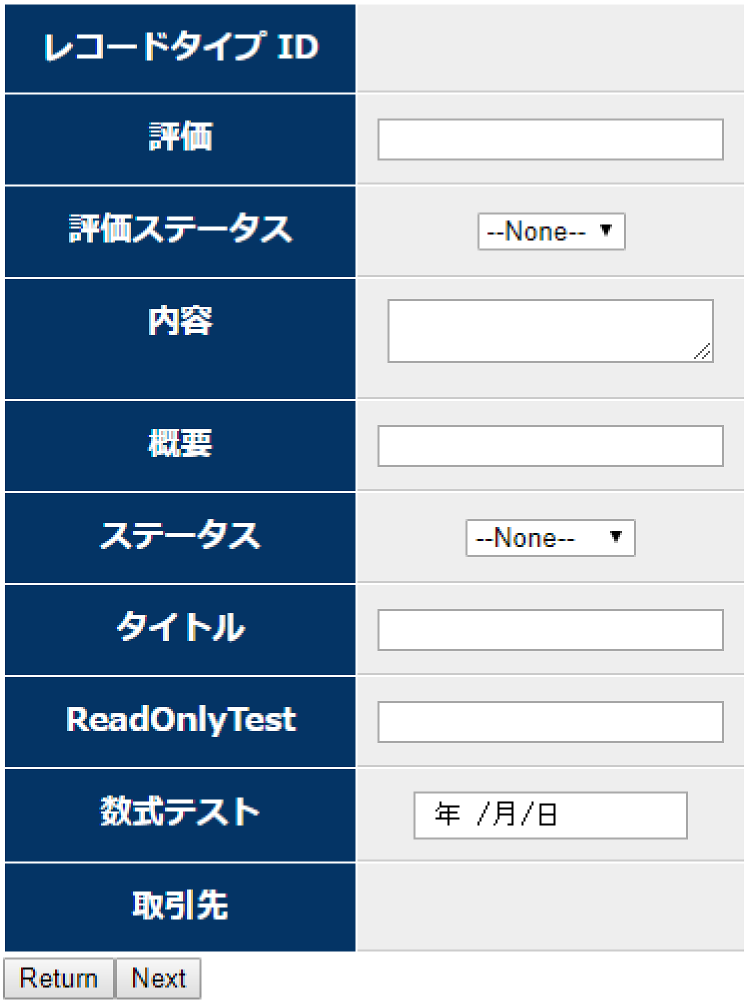
visit the visualforce page

Detail Page.

- Record Input Page
- Record Review Form
- Save the Record

Page URL : https://{instance}.salesforce.com/apex/Blog

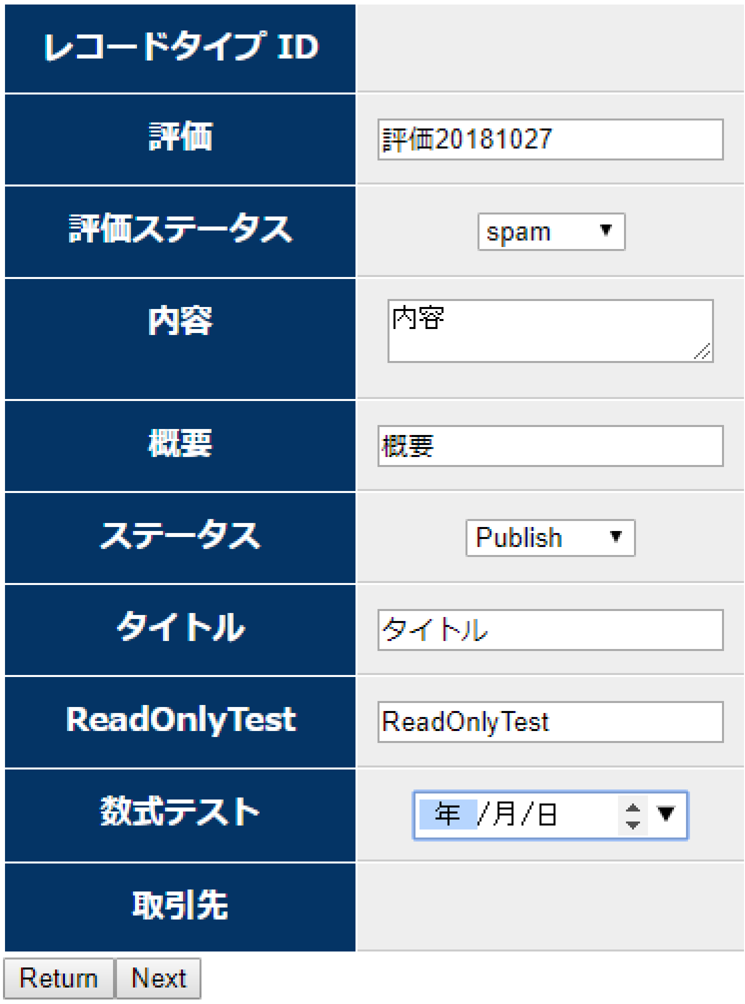
Input Form



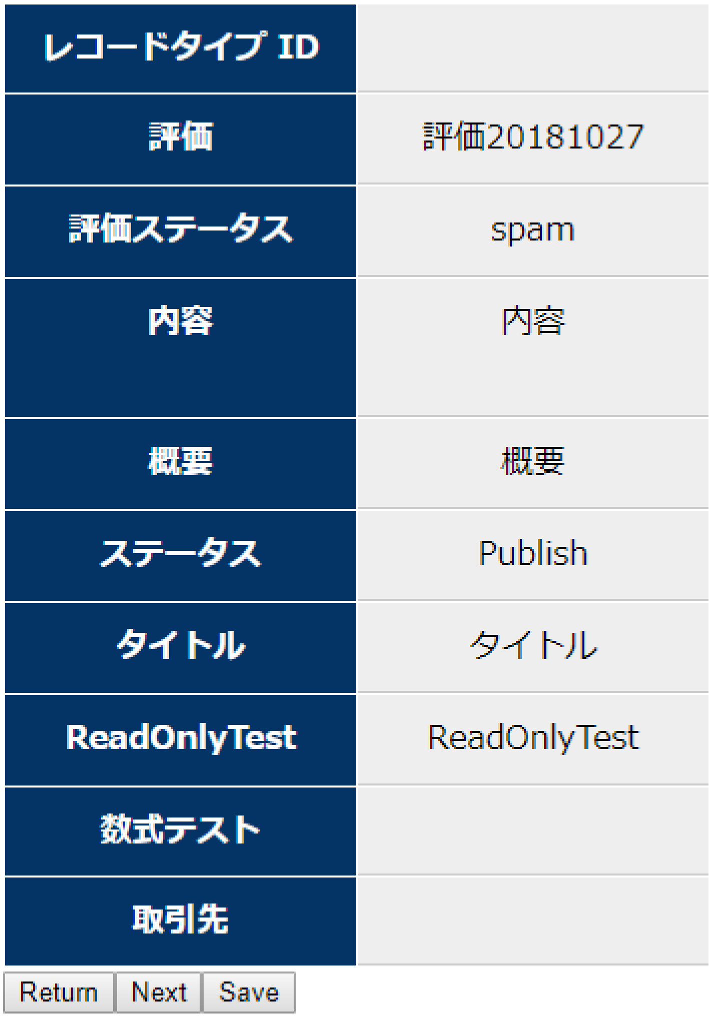
レコードタイプ ID	
評価	
評価ステータス	--None-- ▼
内容	
概要	
ステータス	--None-- ▼
タイトル	
ReadOnlyTest	
数式テスト	年 /月/日
取引先	

Review Form

Input something, then click `next`, then it will go to `Review Form`



レコードタイプ ID	
評価	評価20181027
評価ステータス	spam ▼
内容	内容
概要	概要
ステータス	Publish ▼
タイトル	タイトル
ReadOnlyTest	ReadOnlyTest
数式テスト	年/月/日 ▼
取引先	



レコードタイプ ID	
評価	評価20181027
評価ステータス	spam
内容	内容
概要	概要
ステータス	Publish
タイトル	タイトル
ReadOnlyTest	ReadOnlyTest
数式テスト	
取引先	

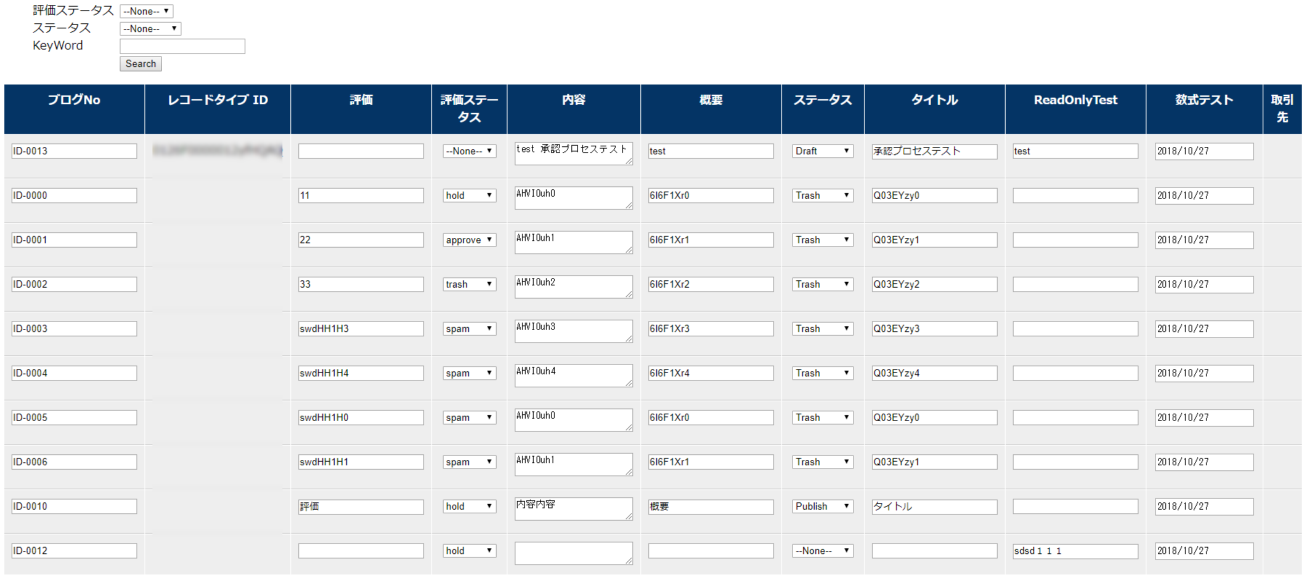
click `save` , you can save the data.

Record List Page

- List All Records.
- Search Record
- Mass Edit Records
- Records Review Form

URL : https://{instance}.salesforce.com/apex/BlogList

List All Records



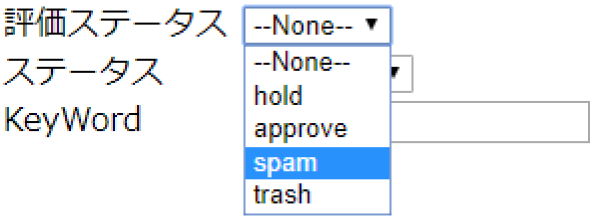
評価ステータス --None--
ステータス --None--
KeyWord
Search

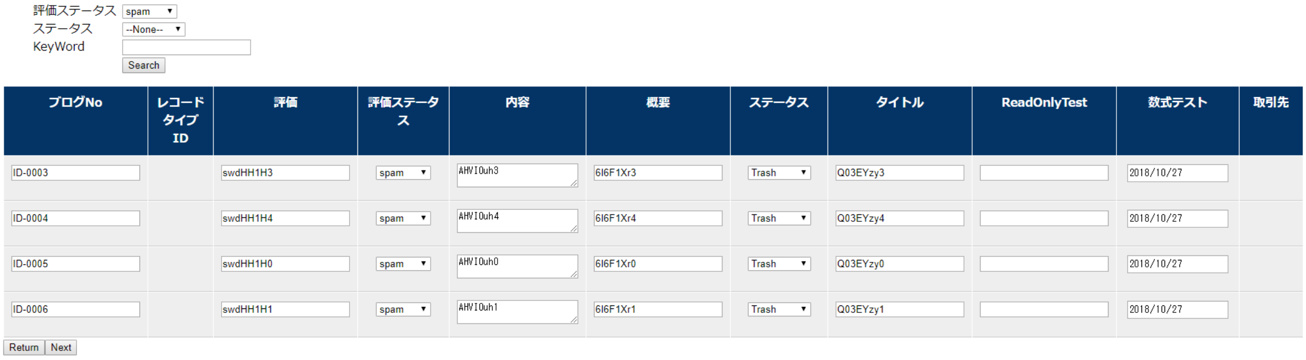
ブログNo	レコードタイプ ID	評価	評価ステータス	内容	概要	ステータス	タイトル	ReadOnlyTest	数式テスト	取引先
ID-0013	[redacted]		--None--	test 承認プロセステスト	test	Draft	承認プロセステスト	test	2018/10/27	
ID-0000		11	hold	AHVI0uh0	6I6F1Xr0	Trash	Q03EYzy0		2018/10/27	
ID-0001		22	approve	AHVI0uh1	6I6F1Xr1	Trash	Q03EYzy1		2018/10/27	
ID-0002		33	trash	AHVI0uh2	6I6F1Xr2	Trash	Q03EYzy2		2018/10/27	
ID-0003		swdHH1H3	spam	AHVI0uh3	6I6F1Xr3	Trash	Q03EYzy3		2018/10/27	
ID-0004		swdHH1H4	spam	AHVI0uh4	6I6F1Xr4	Trash	Q03EYzy4		2018/10/27	
ID-0005		swdHH1H0	spam	AHVI0uh0	6I6F1Xr0	Trash	Q03EYzy0		2018/10/27	
ID-0006		swdHH1H1	spam	AHVI0uh1	6I6F1Xr1	Trash	Q03EYzy1		2018/10/27	
ID-0010		評価	hold	内容内容	概要	Publish	タイトル		2018/10/27	
ID-0012			hold			--None--		sdsd 1 1 1	2018/10/27	

Search Record

> Tips: The Picklist will be changed to filter.

Select the filter, and search the data.





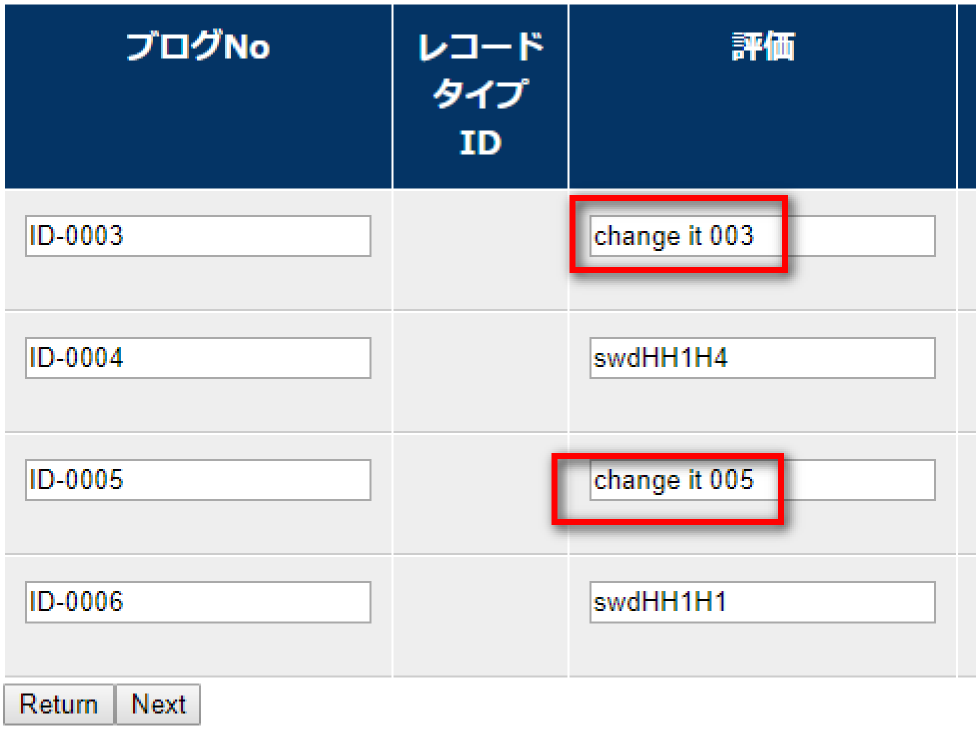
評価ステータス spam
ステータス --None--
KeyWord
Search

ブログNo	レコードタイプ ID	評価	評価ステータス	内容	概要	ステータス	タイトル	ReadOnlyTest	数式テスト	取引先
ID-0003		swdHH1H3	spam	AHVI0uh3	6I6F1Xr3	Trash	Q03EYzy3		2018/10/27	
ID-0004		swdHH1H4	spam	AHVI0uh4	6I6F1Xr4	Trash	Q03EYzy4		2018/10/27	
ID-0005		swdHH1H0	spam	AHVI0uh0	6I6F1Xr0	Trash	Q03EYzy0		2018/10/27	
ID-0006		swdHH1H1	spam	AHVI0uh1	6I6F1Xr1	Trash	Q03EYzy1		2018/10/27	

Return Next

Mass Edit Records

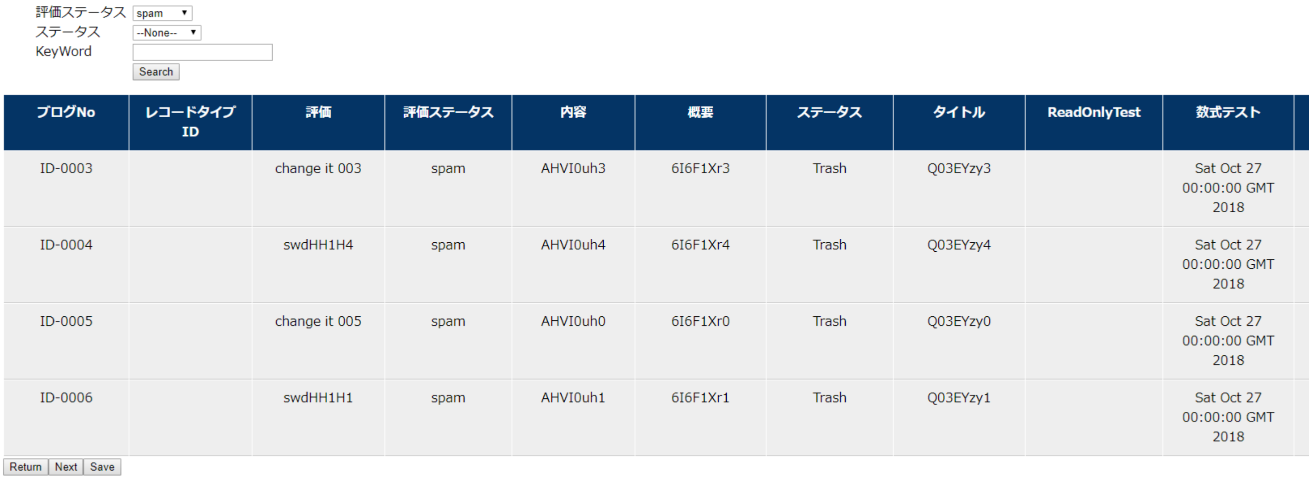
Edit records , and click `next`



ブログNo	レコードタイプID	評価
ID-0003		change it 003
ID-0004		swdHH1H4
ID-0005		change it 005
ID-0006		swdHH1H1

Records Review Form

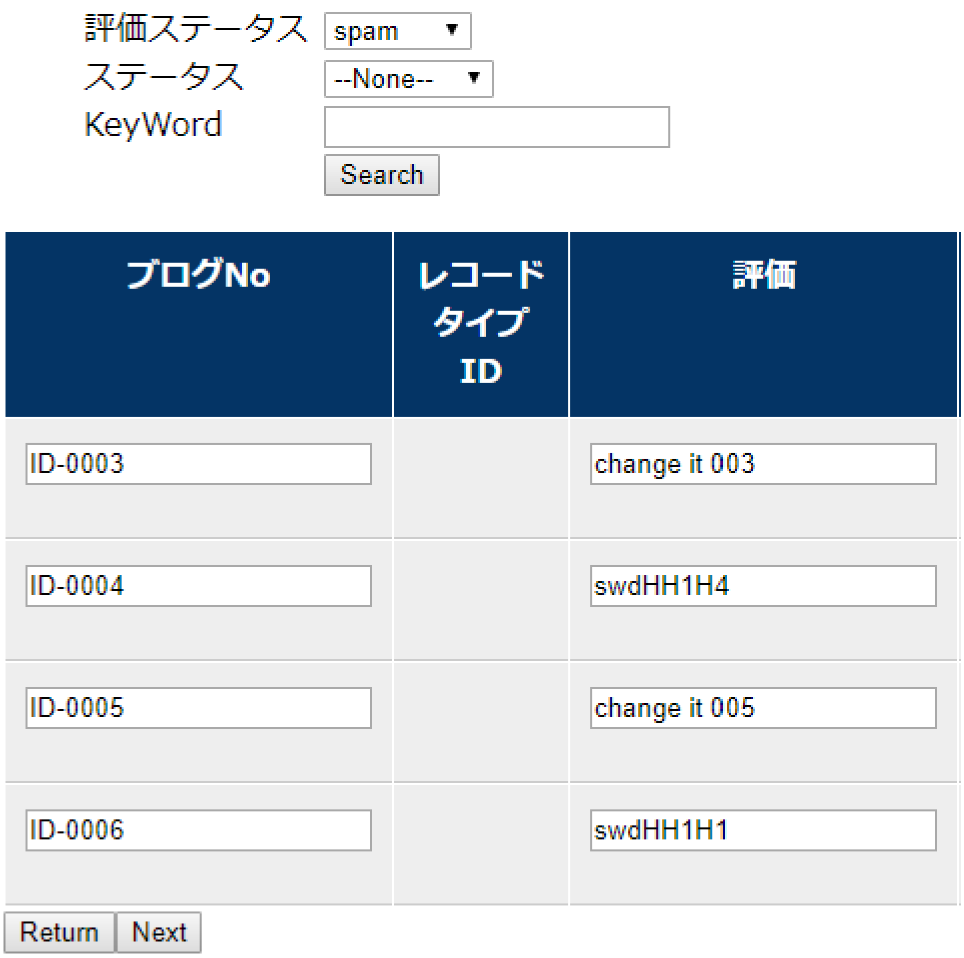
Go to the review form, and click `save` button.



評価ステータス	spam
ステータス	--None--
KeyWord	

ブログNo	レコードタイプID	評価	評価ステータス	内容	概要	ステータス	タイトル	ReadOnlyTest	数式テスト
ID-0003		change it 003	spam	AHVI0uh3	6I6F1Xr3	Trash	Q03EYzy3		Sat Oct 27 00:00:00 GMT 2018
ID-0004		swdHH1H4	spam	AHVI0uh4	6I6F1Xr4	Trash	Q03EYzy4		Sat Oct 27 00:00:00 GMT 2018
ID-0005		change it 005	spam	AHVI0uh0	6I6F1Xr0	Trash	Q03EYzy0		Sat Oct 27 00:00:00 GMT 2018
ID-0006		swdHH1H1	spam	AHVI0uh1	6I6F1Xr1	Trash	Q03EYzy1		Sat Oct 27 00:00:00 GMT 2018

Go back to the list page, check the result.



評価ステータス spam ▼

ステータス --None-- ▼

KeyWord

ブログNo	レコードタイプID	評価
ID-0003		change it 003
ID-0004		swdHH1H4
ID-0005		change it 005
ID-0006		swdHH1H1

Salesforce test code creator

Topic

- Use SalesforceXytoolsForSublime To write a test class.

> 1. Auto Create test class.
> 2. Soql to apex code.

Environment

- Make sure you can login your sfdc. Test it : SFDC-XY > Login SFDC

Write a test class

Auto Create TestCode

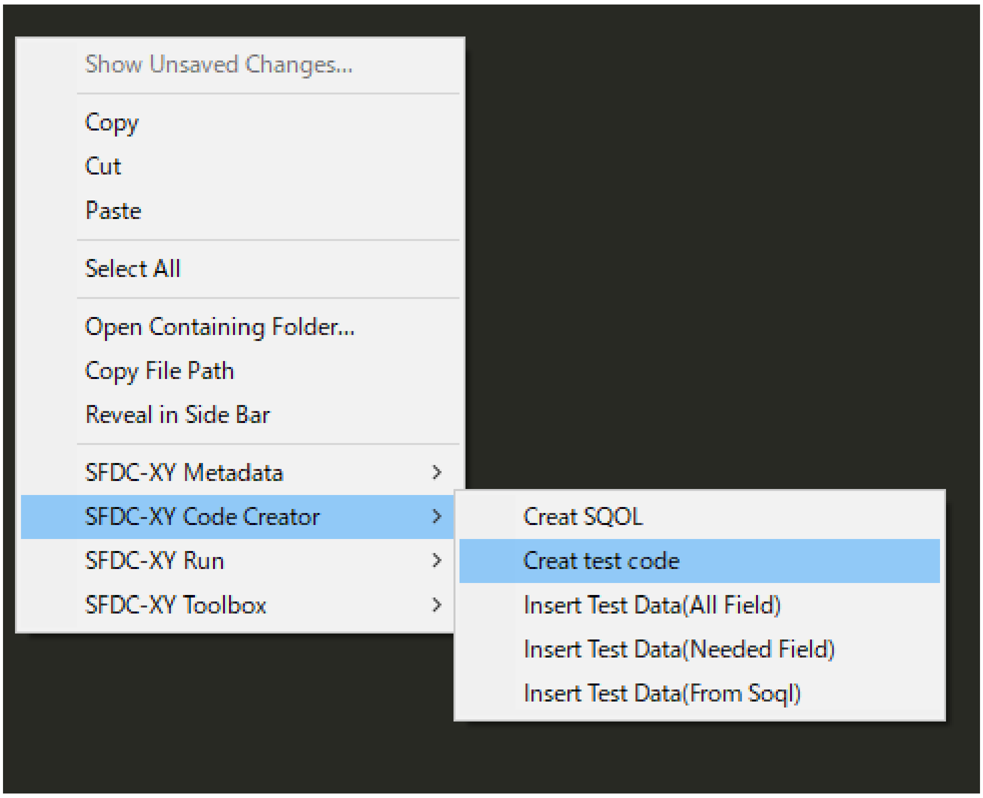
> Tips: It just create the code in the localhost. It will not deploy to your sfdc server.

Open the apex code, Right click.

sample code:

```
/**
* @author huangxy
*/
public with sharing class BlogController extends SfdcXyController {

        // DTO Bean
        public BlogDto blogDto {get;set;}

        public BlogController() {
            search();
        }

        private void search(){
            String id = ApexPages.currentPage().getParameters().get('id');
            if(String.isBlank(id)){
                this.blogDto = new BlogDto();
            }else{
                this.blogDto = new BlogDto(BlogDao.getBlogById(id));
            }
        }

        /**
         * upsert Dto
         */
        public PageReference doSave() {
            Boolean result;
            Savepoint sp = Database.setSavepoint();
            try {
                upsert blogDto.getSobject();
                result = true;
            } catch(DMLException e) {
                Database.rollback(sp);
                System.debug('saveDto DMLException:' + e.getMessage());
                result = false;
            } catch(Exception e) {
                Database.rollback(sp);
                System.debug('saveDto Exception:' + e.getMessage());
                result = false;
            }
            return null;
        }

        /**
         * Go Next
         */
        public override PageReference doNext() {
            Boolean result = doCheck();
            setNextMode(result);
            return null;
        }

        /**
         * Go Back
         */
        public override PageReference doBack() {
            Boolean result = true;
            setBackMode(result);
            return null;
        }

        /**
         * do Check
         */
        public override Boolean doCheck() {
            Boolean result = true;

            return result;
        }
}
```

Right click, `SFDC-XY Code Creator >Create test code`



It will be create a test class like this:

```
/**
* @author huangxy
*/
@isTest
private class BlogControllerTest {

    /**
     * This is a test method for BlogController
     */
    static testMethod void test_BlogController() {

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        BlogController blogController = new BlogController();


        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
```

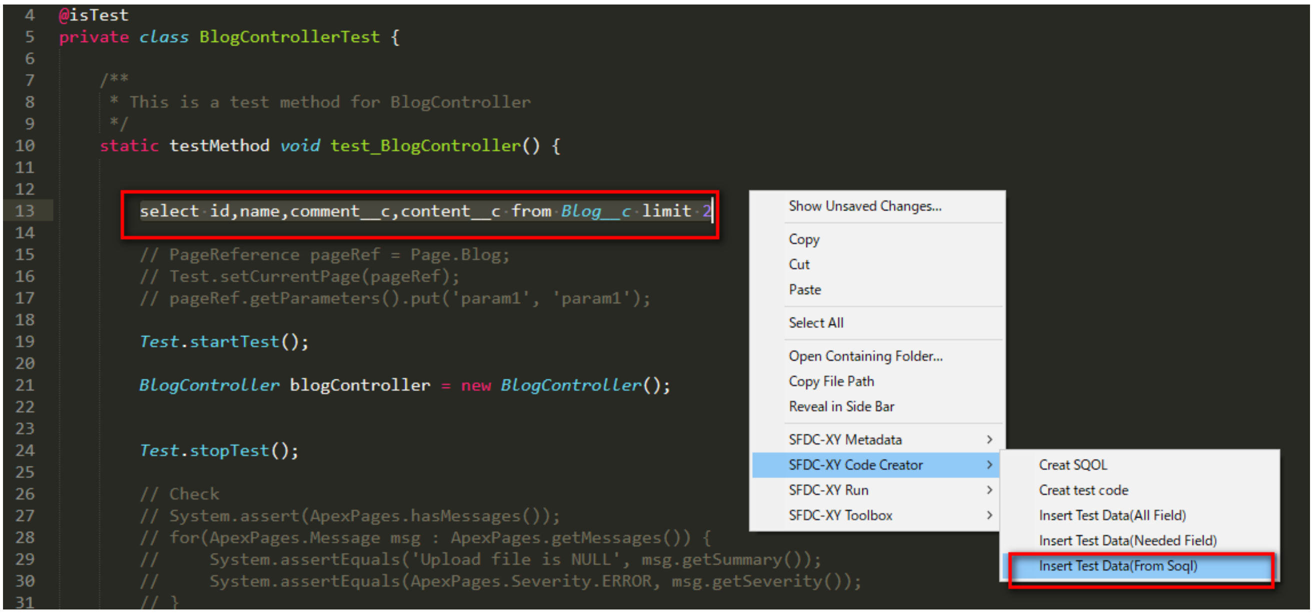
```
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
    }


    /**
     * This is a test method for doSave
     */
    static testMethod void test_doSave() {

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        BlogController blogController = new BlogController();
        PageReference resultDoSave = blogController.doSave();


        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
    }


    /**
     * This is a test method for doNext
     */
    static testMethod void test_doNext() {

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        BlogController blogController = new BlogController();
        PageReference resultDoNext = blogController.doNext();


        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
    }


    /**
     * This is a test method for doBack
     */
    static testMethod void test_doBack() {

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        BlogController blogController = new BlogController();
        PageReference resultDoBack = blogController.doBack();


        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
    }


    /**
     * This is a test method for doCheck
     */
    static testMethod void test_doCheck() {

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        BlogController blogController = new BlogController();
        Boolean resultDoCheck = blogController.doCheck();


        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
    }


    /**
     * This is a test method for all
     */
    static testMethod void test_all() {

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        //  test BlogController
        BlogController blogController = new BlogController();

        //  test doSave
        PageReference resultDoSave = blogController.doSave();

        //  test doNext
        PageReference resultDoNext = blogController.doNext();

        //  test doBack
        PageReference resultDoBack = blogController.doBack();

        //  test doCheck
        Boolean resultDoCheck = blogController.doCheck();



        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
    }


}
```

Insert test data from Soql

Insert Test Data(From SOQL)

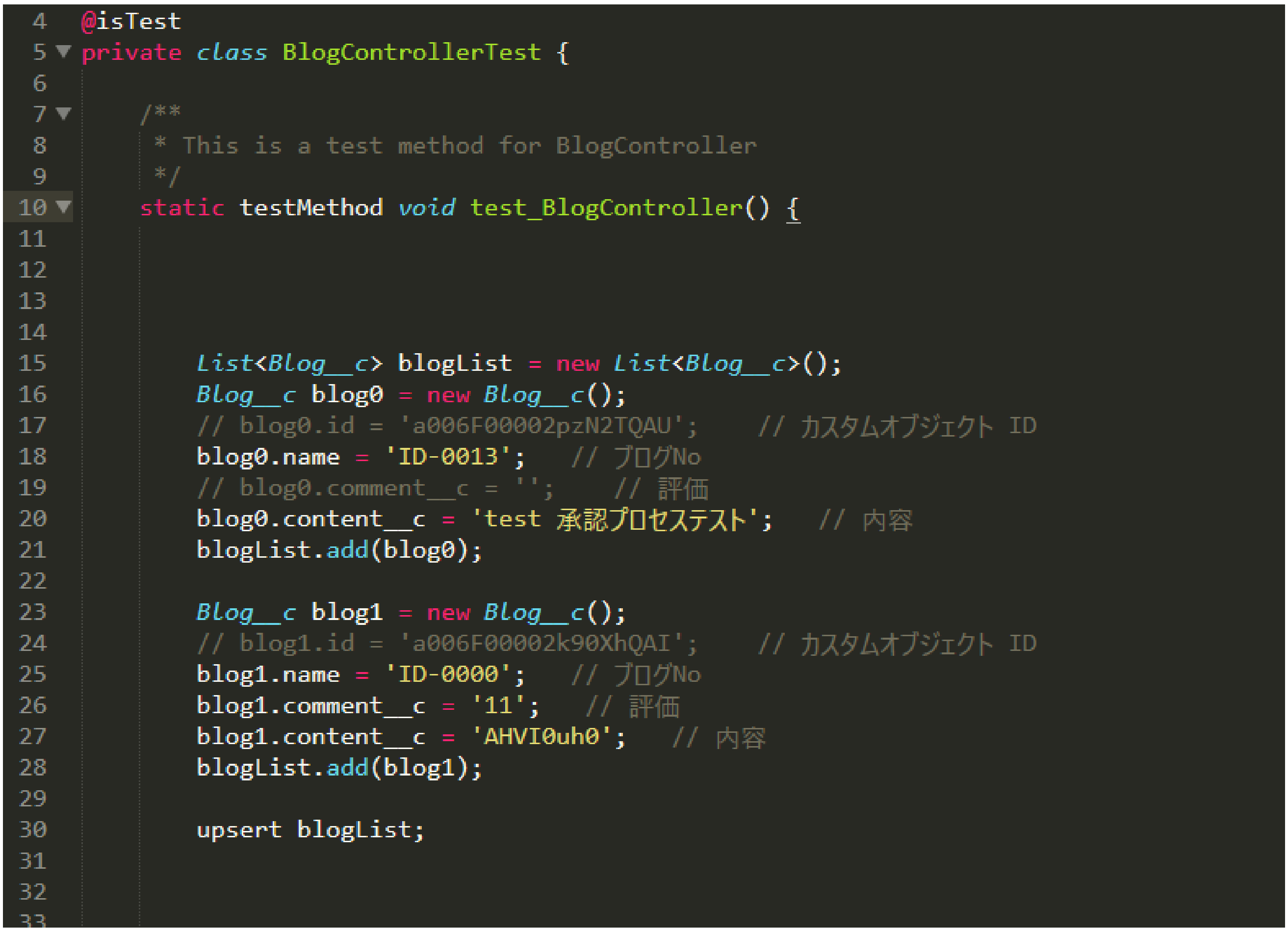
Input a soql query string.

```
select id,name,comment__c,content__c from Blog__c limit 2
```



```
@isTest
private class BlogControllerTest {

    /**
     * This is a test method for BlogController
     */
    static testMethod void test_BlogController() {


        select id,name,comment__c,content__c from Blog__c limit 2

        // PageReference pageRef = Page.Blog;
        // Test.setCurrentPage(pageRef);
        // pageRef.getParameters().put('param1', 'param1');

        Test.startTest();

        BlogController blogController = new BlogController();


        Test.stopTest();

        // Check
        // System.assert(ApexPages.hasMessages());
        // for(ApexPages.Message msg : ApexPages.getMessages()) {
        //     System.assertEquals('Upload file is NULL', msg.getSummary());
        //     System.assertEquals(ApexPages.Severity.ERROR, msg.getSeverity());
        // }
```

Right click, `SFDC-XY Code Creator > Insert Test Data(From Soql)`



```
@isTest
private class BlogControllerTest {

    /**
     * This is a test method for BlogController
     */
    static testMethod void test_BlogController() {




        List<Blog__c> blogList = new List<Blog__c>();
        Blog__c blog0 = new Blog__c();
        // blog0.id = 'a006F00002pzN2TQAU';    // カスタムオブジェクト ID
        blog0.name = 'ID-0013';    // ブログNo
        // blog0.comment__c = '';    // 評価
        blog0.content__c = 'test 承認プロセステスト';    // 内容
        blogList.add(blog0);

        Blog__c blog1 = new Blog__c();
        // blog1.id = 'a006F00002k90XhQAI';    // カスタムオブジェクト ID
        blog1.name = 'ID-0000';    // ブログNo
        blog1.comment__c = '11';    // 評価
        blog1.content__c = 'AHVI0uh0';    // 内容
        blogList.add(blog1);

        upsert blogList;


```

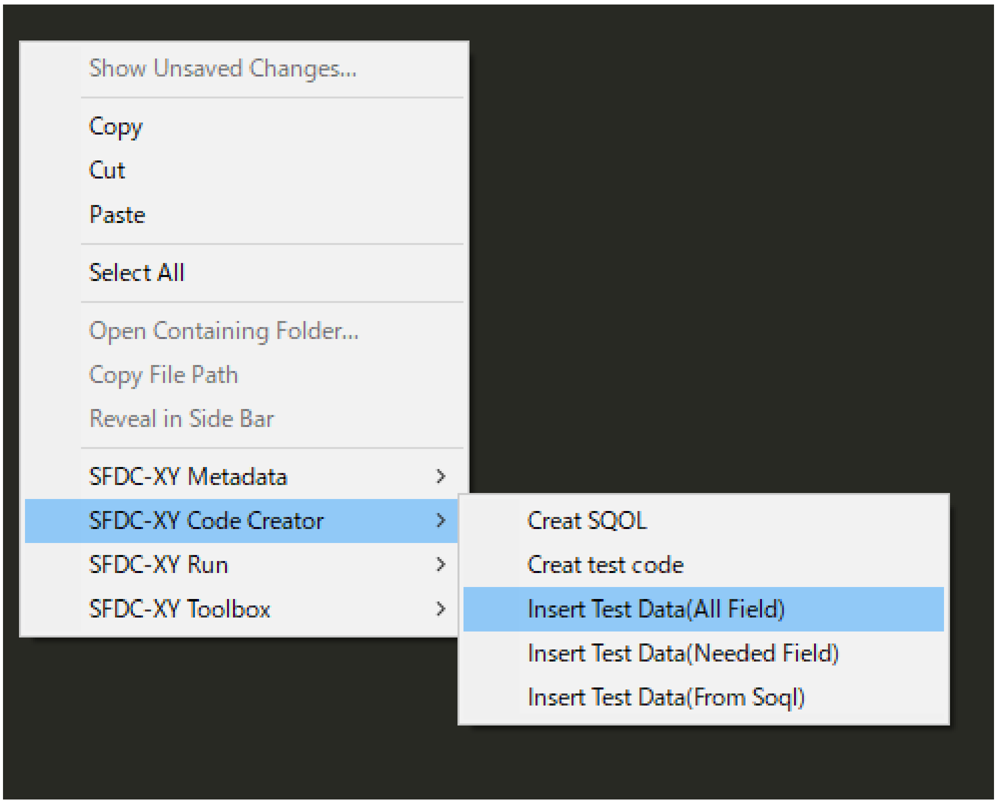
The sql will be change to apex code like below.

```
        List<Blog__c> blogList = new List<Blog__c>();
        Blog__c blog0 = new Blog__c();
        // blog0.id = 'a006F00002pzN2TQAU';    // カスタムオブジェクト ID
        blog0.name = 'ID-0013';   // ブログNo
        // blog0.comment__c = '';    // 評価
        blog0.content__c = 'test 承認プロセステス�?;   // 内容
        blogList.add(blog0);

        Blog__c blog1 = new Blog__c();
        // blog1.id = 'a006F00002k90XhQAI';    // カスタムオブジェクト ID
        blog1.name = 'ID-0000';   // ブログNo
        blog1.comment__c = '11';   // 評価
        blog1.content__c = 'AHVIOuhO';   // 内容
        blogList.add(blog1);

        upsert blogList;
```

Insert random test data

Right click, `SFDC-XY Code Creator > Insert Test Data(All Field)` or

`SFDC-XY Code Creator > Insert Test Data(Needed Field)`



Select your sobject, It will create code like below.

```
List<Blog__c> blogList = new List<Blog__c>();
for(Integer i=0; i<5; i++){
    Blog__c blog = new Blog__c();
    blog.RecordTypeId = recordtypeidList[i].id;    //レコードタイ�?ID
    blog.comment__c = '3VG5bFO' + string.valueof(i) ;    //評価
    blog.comment_status__c = 'approve';    //評価ステータ�?
    blog.content__c = '6p8psSh' + string.valueof(i) ;    //内容
    blog.excerpt__c = 'YLpQQAw' + string.valueof(i) ;    //概要
    blog.status__c = 'Draft';    //ステータ�?
    blog.title__c = 'ot9xvaa' + string.valueof(i) ;    //タイトル
    blog.ReadOnlyTest__c = 'ld9IPfB' + string.valueof(i) ;    //ReadOnlyTest
    blog.Account__c = accountList[i].id;    //取引�?
    blogList.add(blog);
}
insert blogList;
```

SalesforceXytoolsForSublime Reference

SalesforceXytoolsForSublime

SalesforceXytoolsForSublime is Rapid development tools for Salesforce Development.

- Create Salesforce Project, Retrieve Metadata, Search Metadata
- Create ApexClass, ApexTrigger, ApexComponent, Refresh, Diff with Server(Support winmerge diff), Save to Server, Deploy to Server
- SObject Viewer, SObject Description, Export SOjbect Fields to Excel
- Run SOQL Query, Tooling Query, Apex Script.
- Code Creator : Auto Create Apex Test Class Code, Auto Create Test Data For Apex Test Class.
- SFDC Dataviewer, SFDC Online Dataviewer.
- Atuo Login SFDC (two login type: oauth2 , password config).
- Quick local sfdc file from sublime.
- Quick Search SObject Data/SObject Setting/ApexClass/Trigger/VisualForce Page/VisualForce Components/Email Template/Static Resource and open on browser Quickly
- Package.xml Builder.
- Build Release Package.
- Integrate Sfdc Dataloader, Config DataLoader and Run (**Need Ant and Java Environment**)

  Set your schedule, backup your sfdc data.
- Integrate Sfdc Migration Tool (**Need Ant and Java Environment**)
- Auto Backup all metadata script(**Set your schedule, backup your sfdc metadata.**).

Basic on OpenSource

SalesforceXyToolsForSublime is based on python and open source below.

1. xlsxwriter (License: BSD)
2. Simple-Salesforce (License: Apache 2.0)
3. requests (License: Apache 2.0)

SalesforceXyToolsForSublime Reference

- SalesforceXyToolsForSublime Guide
- SalesforceXyToolsForSublime-Rapid-development-tools-for-Salesforce
- Source of SalesforceForSublime
- Issues of SalesforceXyToolsForSublime
- Sublime Package Control

Document Reference

- How to Install SalesforceXytoolsForSublime
- How to Config SalesforceXytoolsForSublime
- Use SalesforceXytoolsForSublime to develop SFDC
- Export Sobject to Excel and Search Sobject
- Run sfdc soql, apex script, tooling api
- Auto config salesforce ant-dataloader and Backup Sobject Data
- Auto config salesforce ant-migration-tools and Backup Metadata
- Export Sfdc Sobject Schema To Excel
- Use SalesforceXytoolsForSublime Salesforce Deploy Package
- Salesforce package.xml Auto Builder
- How to export Apex Code Coverage
- PermissionSet Builder
- Soql Creator
- Save Your Sfdc Module and build a deploy module package
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Other tools for salesforce

- SalesforceXyToolsCore is base on Python. The core of SalesforceXyTools For Sublime. Soap, Metadata, Rest API For Salesforce.
- SalesforceXyTools For Chrome
- Install SalesforceXyTools For Chrome From Web Store

> SalesforceXyTools for Chrome is a developer tools for Salesforce,SFDC,Force.com. Login SFDC By 1 click. Quickly Search Metadata Sobject,Apex,Trigger,Page,Component,EmailTemplate,SataticResource, etc. Auto Create Soql, Run Soql, Soql History. Run Apex Script. Quick Search SFDC Document.