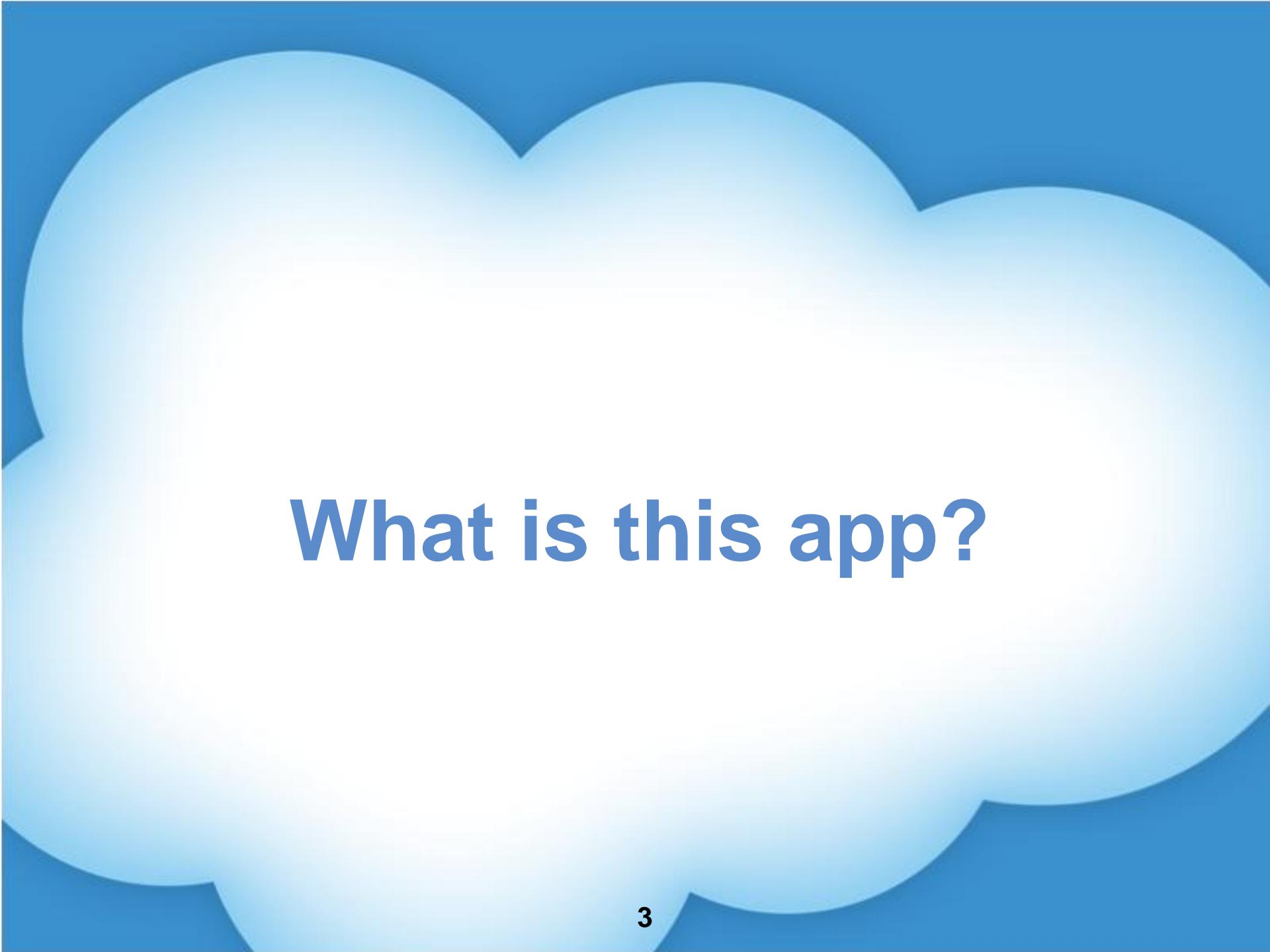


# Object Metadata SnapShot

1. What is this app?
2. How to use
3. Considerations and hints





# What is this app?

# Object Metadata SnapShot App

This 100% native Force App extracts object & field metadata information from your org and stores them as custom objects in same org. Once you complete to store metadata in custom objects, you can use Salesforce report to analyze DB schema or Salesforce Analytic Snapshots to manage DB schema version.

You can

- see your org object schema through your favourite salesforce interface such as list, detail, report, and so on.
- search object name or object lable through salesforce search box
- download metadata as xsl or csv file via salesforce report
- do many things via salesforce standard functionalities



# List for all object metadata

SObject +

All New SObject Change Owner

Create New View | Edit | Delete | Refresh A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

Action	SObject Name ↑	Label	isAccessible	isCreateable	isCustom	isCustomSetting	isDeletable	isDeprecatedAndHidden
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Account</a>	Account	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountContactRole</a>	Contact Role	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountFeed</a>	Account Feed	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountHistory</a>	Account History	✓	<input type="checkbox"/>				
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountPartner</a>	Account Partner	✓	<input type="checkbox"/>				
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountShare</a>	Account Share	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ActivityHistory</a>	Activity History	✓	<input type="checkbox"/>				
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AdditionalNumber</a>	Additional Directory Nu	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AggregateResult</a>	Aggregate Result	✓	<input type="checkbox"/>				
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexClass</a>	Apex Class	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexComponent</a>	Visualforce Componen	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexLog</a>	Apex Debug Log	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexPage</a>	Visualforce Page	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexTrigger</a>	Apex Trigger	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>

1-25 of 148 ▾ 0 Selected ▾ ◀◀ Previous Next ▶▶ Page 1 of 6



# Object metadata

SObject +

**Account**

Customize Page | Edit Layout | Printable View | Help for this Page ?

« Back to List: SObject

SObjectField [6+] | ChildRelations (z\_ParentSObjectDescription) [6+]

**SObject Detail**

SObject Name	Account	label	Account
keyPrefix	001	localName	Account
isCustom	<input type="checkbox"/>	labelPlural	Accounts
isMergeable	<input checked="" type="checkbox"/>	isDeletable	<input checked="" type="checkbox"/>
isCustomSetting	<input type="checkbox"/>	isCreateable	<input checked="" type="checkbox"/>
isDeprecatedAndHidden	<input type="checkbox"/>	isUndeletable	<input checked="" type="checkbox"/>
isAccessible	<input checked="" type="checkbox"/>	isUpdateable	<input checked="" type="checkbox"/>
isFeedEnabled	<input checked="" type="checkbox"/>	isSearchable	<input checked="" type="checkbox"/>
Created By	Test Test, 9/15/2010 5:10 PM	Last Modified By	Test Test, 9/15/2010 5:10 PM

**SObjectField**

Action	SObjectField Name	byteLength	calculatedFormula	defaultValueFormula	digits	inlineHelpText	isAccessible	isAutoNumer	isCalculated	isCaseSensitive
Edit   Del	Phone	120			0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	BillingState	60			0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	ParentId	18			0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	BillingCountry	120			0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	Type	120			0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Show 5 more » | Go to list (36) »

**ChildRelations (z\_ParentSObjectDescription)**

Action	ChildRelation Name	Child SObject	Filed Name	isCascadeDelete
Edit   Del	R-20679	Account	ParentId	<input type="checkbox"/>
Edit   Del	R-20680	AccountContactRole	AccountId	<input checked="" type="checkbox"/>
Edit   Del	R-20681	AccountFeed	ParentId	<input checked="" type="checkbox"/>



# Child relation metadata

SObject +

ChildRelation R-22683

[Edit Layout](#) | [Printable View](#) |

\* Back to List: SObject

**ChildRelation Detail**

<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Clone</a>
----------------------	------------------------	-----------------------

ChildRelation Name	R-22683	Child SObject	<a href="#">Account</a>
Parent SObject	<a href="#">Account</a>	Filed Name	ParentId
isCascadeDelete	<input type="checkbox"/>	Created By	<a href="#">Test Test, 9/16/2010 10:27 AM</a>
		Last Modified By	<a href="#">Test Test, 9/16/2010 10:47 AM</a>
		<a href="#">Edit</a>	<a href="#">Delete</a>



# Field metadata

SObject +

SObjectField Phone

[Edit Layout](#) | [Printable View](#) | [Help for this Page](#) ?

[« Back to List: SObject](#)

**SObjectField Detail**

[Edit](#) [Delete](#) [Clone](#)

		SObjectField Name	Phone
label	Account Phone	localName	Phone
type	PHONE	byteLength	120
picklistentries		scale	0
relationshipName		soType	STRING
calculatedFormula		length	40
defaultValueFormula		precision	0
relationshipOrder		digits	0
inlineHelpText		isIdLookup	<input type="checkbox"/>
isAccessible	<input checked="" type="checkbox"/>	isNameField	<input type="checkbox"/>
isWriteRequiredMasterRead	<input type="checkbox"/>	isNamePointing	<input type="checkbox"/>
isCustom	<input type="checkbox"/>	isNullable	<input checked="" type="checkbox"/>
isDefaultedOnCreate	<input type="checkbox"/>	isUpdateable	<input checked="" type="checkbox"/>
isDependentPicklist	<input type="checkbox"/>	isRestrictedPicklist	<input type="checkbox"/>
isDeprecatedAndHidden	<input type="checkbox"/>	isSortable	<input checked="" type="checkbox"/>
isCreateable	<input checked="" type="checkbox"/>	isUnique	<input type="checkbox"/>
isCaseSensitive	<input type="checkbox"/>	isGroupable	<input checked="" type="checkbox"/>
isCalculated	<input type="checkbox"/>	isHTMLFormatted	<input type="checkbox"/>
isAutoNumber	<input type="checkbox"/>	isFilterable	<input checked="" type="checkbox"/>
isExternalID	<input type="checkbox"/>		
z_SObjectDescription	Account		
Created By	<a href="#">Test Test, 9/15/2010 5:11 PM</a>	Last Modified By	<a href="#">Test Test, 9/15/2010 5:11 PM</a>

[Edit](#) [Delete](#) [Clone](#)



# How to use

# Configure setting

The screenshot shows the Salesforce Settings page. At the top, there is a navigation bar with tabs: Home, Settings (which is selected), SnapShot, SObject, and a plus sign. Below the navigation bar is a search bar with dropdown menus for 'Search All' and 'Go!', and a checkbox for 'Limit to items I own'. There is also a link for 'Advanced Search...'. On the left, there is a sidebar with buttons for 'Create New...', 'Recent Items' (which says 'No records to display'), and a green 'Recycle Bin' button. The main content area is titled 'Home' and 'Settings'. It features a 'View' dropdown set to 'All' with a 'Go!' button next to it, and links for 'Edit' and 'Create New View'. A section titled 'Recent Settings' displays a message: 'No recent records. Click Go or select a view from the dropdown above.' To the right of this section is a 'Recently Viewed' dropdown menu. At the bottom of the page, there is a copyright notice: 'Copyright © 2000-2010 salesforce.com, inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | FLS Compliance'.

1. Click Settings tab

2. Press Go! button

This screenshot shows the same Salesforce Settings page, but the 'All' view is selected in the 'View' dropdown. The interface is identical to the previous screenshot, including the navigation bar, search bar, sidebar, and main content area. The 'Recent Settings' section now shows a message: 'Data not available for this view.' A blue callout box with the text '3. Press All SObjects' points to the 'All' button in the 'View' dropdown.

3. Press All SObjects



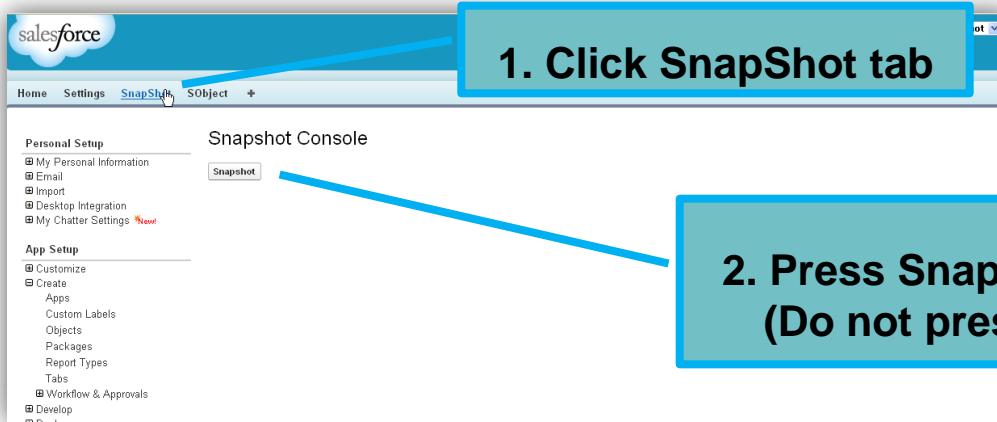
# Settings Tab

The screenshot shows a software application window titled "Settings". The top navigation bar includes "Home", "Settings" (which is selected), "SnapShot", "SObject", and a "+" button. Below the navigation is a search bar with a dropdown set to "All", a "Search All" input field, and a "Go!" button. There is also a checkbox for "Limit to items I own" and a link to "Advanced Search...". A "Create New..." button is visible. On the left, a "Recent Items" sidebar lists records from S-2171 to S-2162, each with a small icon and a link. The main content area displays a list of objects with checkboxes for "Action" and "Edit | Del". The objects listed include account, accountcontactrole, accountfeed, accounthistory, accountpartner, accountshare, activityhistory, additionalnumber, aggregatoresult, apexclass, apexcomponent, apexlog, apexpage, and apextrigger. The "account" object is checked under "Edit | Del". The list is paginated at the bottom with "1-25 of 148" and "7 Selected". A "Page 1 of 6" indicator is also present.

Make sure if name fields of all records are valid object name such as account, contact, or custom object name with \_\_c or there are not duplicated name value in different records. The records in Setting tells the app which object/s you are interested in to take snapshot. For instance, there is only one record having account in name field and the app creates one record in SObject table regarding account. You can delete all records or multiple records via custom buttons at list view or create records for all standard and custom objects at Setting table.



# SnapShot Object metadata in your org



1. Click SnapShot tab

2. Press SnapShot button.  
(Do not press it twice)

A screenshot of the Snapshot Console. The top navigation bar shows 'Home', 'Settings', 'SnapShot' (which is highlighted in blue), 'SObject', and a '+' button. The main area is titled 'Snapshot Console' and contains a table showing a single process entry. The table has columns for 'Class ID', 'Status', 'Progress', 'Total Batches', 'Batches Processed', and 'Failures'. The entry shows 'z\_BatchableMetadataDump1' in the 'Class ID' column, 'Queued' in the 'Status' column, a progress bar at 0%, '0' in the 'Total Batches' column, '0' in the 'Batches Processed' column, and '0' in the 'Failures' column. A blue callout box with the text '3. Just wait for a while' has a pointer pointing to the progress bar.

Class ID	Status	Progress	Total Batches	Batches Processed	Failures
z_BatchableMetadataDump1	Queued	0%	0	0	0

Do not close this page until all process are finished



# SnapShot Tab

Home Settings SnapShot SObject +

**Personal Setup**

- My Personal Information
- Email
- Import
- Desktop Integration
- My Chatter Settings New!

**App Setup**

- Customize
- Create
  - Apps
  - Custom Labels
  - Objects

Snapshot

## Snapshot Console

Class ID	Status	Progress	Total Batches	Batches Processed	Failures
z_BatchableMetadataDump2	Processing	<div style="width: 18%;">18%</div>	211	38	0
z_BatchableMetadataDump1	Completed	<div style="width: 100%;">100%</div>	148	148	0

4. Just wait for a while

Home Settings SnapShot SObject +

**Personal Setup**

- My Personal Information
- Email
- Import
- Desktop Integration
- My Chatter Settings New!

**App Setup**

- Customize
- Create
  - Apps
  - Custom Labels
  - Objects

Snapshot

## Snapshot Console

**i** SObjects Metadata have been created.

Class ID	Status	Progress	Total Batches	Batches Processed	Failures
z_BatchableMetadataDump3	Completed	<div style="width: 100%;">100%</div>	8	8	0
z_BatchableMetadataDump2	Completed	<div style="width: 100%;">100%</div>	211	211	0
z_BatchableMetadataDump1	Completed	<div style="width: 100%;">100%</div>	148	148	0

5. Once three process are completed without error, then it is ready to use



# Object metadata info are stored at SObject table

1. Click SObject tab

2. Click Account

The screenshot shows the Salesforce SObject list view. A blue box highlights the 'SObject' tab in the top navigation bar. Another blue box highlights the 'Account' row in the list, which has been selected. The list includes various objects like Account, Contact Role, Account Feed, etc. The 'Account' row is selected, indicated by a blue border around its cells.

Action	SObject Name	Label	isCustomSetting	isDeletable	isDeprecatedAndHidden
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Account</a>	Account	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountContactRole</a>	Contact Role	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountFeed</a>	Account Feed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountHistory</a>	Account History	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountPartner</a>	Account Partner	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AccountShare</a>	Account Share	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ActivityHistory</a>	Activity History	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AdditionalNumber</a>	Additional Directory Nu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">AggregateResult</a>	Aggregate Result	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexClass</a>	Apex Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexComponent</a>	Visualforce Componen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexLog</a>	Apex Debug Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexPage</a>	Visualforce Page	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">ApexTrigger</a>	Apex Trigger	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



# Object metadata info

SObject +

**Account**  
SObject  
Customize Page | Edit Layout | Printable View | Help for this Page ?

« Back to List: SObject

SObjectField [6+] | ChildRelations (z\_ParentSObjectDescription) [6+]

**SObject Detail**

SObject Name	Account	label	Account
keyPrefix	001	localName	Account
isCustom	<input type="checkbox"/>	labelPlural	Accounts
isMergeable	<input checked="" type="checkbox"/>	isDeletable	<input checked="" type="checkbox"/>
isCustomSetting	<input type="checkbox"/>	isCreateable	<input checked="" type="checkbox"/>
isDeprecatedAndHidden	<input type="checkbox"/>	isUndeletable	<input checked="" type="checkbox"/>
isAccessible	<input checked="" type="checkbox"/>	isUpdateable	<input checked="" type="checkbox"/>
isFeedEnabled	<input checked="" type="checkbox"/>	isSearchable	<input checked="" type="checkbox"/>
Created By	Test Test, 9/15/2010 5:10 PM	Last Modified By	Test Test, 9/15/2010 5:10 PM

**SObjectField**

Action	SObjectField Name	byteLength	calculated	label	allowableValues	isAutoNumber	isCalculated	isCaseSensitive
Edit   Del	Phone	120		Phone		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	BillingState	60		Billing State		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	ParentId	18		Parent Id		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	BillingCountry	120		Billing Country		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edit   Del	Type	120		Type		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Show 5 more » | Go to list (36) »

**ChildRelations (z\_ParentSObjectDescription)**

Action	ChildRelation Name	Child SObject	Filed Name	isCascadeDelete
Edit   Del	R-20679	Account	ParentId	<input type="checkbox"/>
Edit   Del	R-20680	AccountContactRole	AccountId	<input checked="" type="checkbox"/>
Edit   Del	R-20681	AccountFeed	ParentId	<input checked="" type="checkbox"/>

# Field metadata info

SObject +

SObjectField Phone

[Edit Layout](#) | [Printable View](#) | [Help for this Page](#) ?

[« Back to List: SObject](#)

**SObjectField Detail**

[Edit](#) [Delete](#) [Clone](#)

		SObjectField Name	Phone
label	Account Phone	localName	Phone
type	PHONE	byteLength	120
picklistentries		scale	0
relationshipName		soType	STRING
calculatedFormula		length	40
defaultValueFormula		precision	0
relationshipOrder		digits	0
inlineHelpText		isIdLookup	<input type="checkbox"/>
isAccessible	<input checked="" type="checkbox"/>	isNameField	<input type="checkbox"/>
isWriteRequiredMasterRead	<input type="checkbox"/>	isNamePointing	<input type="checkbox"/>
isCustom	<input type="checkbox"/>	isNullable	<input checked="" type="checkbox"/>
isDefaultedOnCreate	<input type="checkbox"/>	isUpdateable	<input checked="" type="checkbox"/>
isDependentPicklist	<input type="checkbox"/>	isRestrictedPicklist	<input type="checkbox"/>
isDeprecatedAndHidden	<input type="checkbox"/>	isSortable	<input checked="" type="checkbox"/>
isCreateable	<input checked="" type="checkbox"/>	isUnique	<input type="checkbox"/>
isCaseSensitive	<input type="checkbox"/>	isGroupable	<input checked="" type="checkbox"/>
isCalculated	<input type="checkbox"/>	isHTMLFormatted	<input type="checkbox"/>
isAutoNumber	<input type="checkbox"/>	isFilterable	<input checked="" type="checkbox"/>
isExternalID	<input type="checkbox"/>		
z_SObjectDescription	Account		
Created By	<a href="#">Test Test, 9/15/2010 5:11 PM</a>	Last Modified By	<a href="#">Test Test, 9/15/2010 5:11 PM</a>

[Edit](#) [Delete](#) [Clone](#)

# Considerations and hints

# Considerations

- It takes about 10mins to be ready to use after execute snapshot because the processes run as Batch Apex on Force.com platform.
- Overwirte Sobject records after execute the snapshot. So in case that you need to keep previous version of metadata info, you export records to different custom object defined by you via salesforce analytic snapshots or export records as xsl, csv through salesforce report function



# Hints

- You may want to schedule the snapshot.
  - Go to Setup -> App Setup -> Develop -> Apex Classes
  - Pressing Schedule button shows setting page.
  - You fill out the following info.

Job Name : Any name defined by you

Apex Class : z\_SchedulableBatchableMetadataDump1

Schedule Apex Execution : defined by you

The screenshot shows the Force.com Apex Classes page. On the left, there's a sidebar with 'Personal Setup' and 'App Setup' sections. The main area is titled 'Apex Classes' and contains a brief introduction about Force.com Apex Code. Below it is a table listing two Apex classes: 'zz\_MetadataBatchTest' and 'z\_BatchableMetadataDump1'. A large blue callout box with the text 'Press Schedule Apex button' points to the 'Schedule Apex' button at the top of the table. The URL in the browser bar is 'force.com Object Metadata Snapshot'.

Action	Name	Namespace Prefix	Api Version	Is Valid	Status	Last Modified
Edit   Del   Security	zz_MetadataBatchTest		19.0	<input type="checkbox"/>	Active	2013-08-20 10:10:10
Edit   Del   Security	z_BatchableMetadataDump1		19.0	<input checked="" type="checkbox"/>	Active	2013-08-20 10:10:10



# Hints

## Schedule Apex

Schedule an Apex class that implements the 'Schedulable' interface to be automatically executed on a weekly or monthly interval.

Save Cancel

Job Name	SnapShotBatch
Apex Class	z_SchedulableBatchableMetadataDump1

Schedule Apex Execution

Frequency

Weekly  
 Monthly

On day 1 of every month  
 On the 1st Sunday of every month

Start 9/15/2010 [ 9/15/2010 ]  
End 10/15/2010 [ 9/15/2010 ]

Preferred Start Time --None--

Exact start time will depend on job queue activity.

Save Cancel

**Job Name : Any name defined by you**

**Apex Class : z\_SchedulableBatchableMetadataDump1**

**Schedule Apex Execution : defined by you**



# Follow this if you have error 1/5

1. Check if Batch Apex processes are running or in queue. Go to Setup -> Administration Setup -> Monitoring -> Apex Jobs

If you find that Batch Apex processes named BatchableMetadataDump1, z\_BatchableMetadataDump2, or z\_BatchableMetadataDump3 are running or in queue, click abort link to stop those processes.

**Administration Setup**

- Manage Users
- Company Profile
- Security Controls
- Communication Templates
- Translation Workbench
- Data Management
- Monitoring**
  - Imports
  - Outbound Messages
  - Time-Based Workflow
  - Case Escalations
  - API Usage Notifications
  - Debug Logs
  - Scheduled Jobs
  - Apex Jobs**
  - Email Log Files

**Apex Jobs**

Monitor the status of all Apex jobs, and optionally abort jobs that are in progress.

View: All [Create New View](#)

Action	Submitted Date	Job Type	Status	Status Detail	Total Batches	Batches Processed	Failures	Submitted By	Completion Date	Apex Class
	9/15/2010 5:12 PM	Batch Apex	Completed		8	8	0	<a href="#">Test, Test</a>	9/15/2010 5:12 PM	<a href="#">z_BatchableMetadataDump3</a>
	9/15/2010 5:10 PM	Batch Apex	Completed		211	211	0	<a href="#">Test, Test</a>	9/15/2010 5:12 PM	<a href="#">z_BatchableMetadataDump2</a>
	9/15/2010 5:06 PM	Batch Apex	Completed		148	148	0	<a href="#">Test, Test</a>	9/15/2010 5:10 PM	<a href="#">z_BatchableMetadataDump1</a>
	9/15/2010 5:02 PM	Batch Apex	Completed	First error: Attempt to de-referenc e a null object	15	15	15	<a href="#">Test, Test</a>	9/15/2010 5:10 PM	<a href="#">z_BatchableMetadataDump2</a>
	9/15/2010 5:00 PM	Batch Apex	Completed		0	0	0	<a href="#">Test, Test</a>	9/15/2010 5:00 PM	<a href="#">z_BatchableMetadataDump1</a>



# Follow this if you have error 2/5

## 2. Check if Batch Apex processes are scheduled

Setup -> Administration Setup -> Monitoring -> Scheduled Jobs

If you find that z\_SchedulableBatchableMetadataDump2,

z\_SchedulableBatchableMetadataDump3 are scheduled, then delete them.

The screenshot shows the 'Administration Setup' page with the 'Monitoring' section selected. On the left, a sidebar lists various setup categories. The main area is titled 'All Scheduled Jobs'. It includes a help link and a note about listing all scheduled jobs. Below this is a search bar with dropdowns for 'View' (set to 'All Scheduled Jobs') and 'Create New View', and a link to 'Help for this Page'. A navigation bar at the bottom provides links to letters A through Z and 'All'. The main table has columns for 'Job Name' (with a dropdown arrow), 'Submitted By', 'Submitted', 'Started', 'Next Scheduled Run', and 'Type'. A note below the table states 'Data not available for this view.' Another navigation bar at the bottom of the table area provides links to letters A through Z and 'All'.



# Follow this if you have error 3/5

## 3. Go to Setting tab

Make sure if name fields of all records are valid object name such as account, contact, or custom object name with \_\_c or there are not duplicated name value in different records. The records in Setting tells the app which object/s you are interested in to take snapshot. For instance, there is only one record having account in name field and the app create records in SObject table regarding account.

The screenshot shows the 'Settings' tab selected in a software interface. The main content area displays a list of objects with checkboxes for 'Action' and 'Edit | Del'. The objects listed are: account, accountcontactrole, accountfeed, accounthistory, accountpartner, accountshare, activityhistory, additionalnumber, aggregateresult, apexclass, apexcomponent, apexlog, apexpage, and apextrigger. On the left, there is a sidebar titled 'Recent Items' containing a list of 14 items from S-2171 to S-2162. At the bottom, there are navigation buttons for 'Previous' and 'Next'.



# Follow this if you have error 4/5

4. Check if your org have enough free space . If not, delete unnecessary records.

The screenshot shows the Salesforce Administration Setup page with the 'Storage Usage' section highlighted. A blue box labeled '1. Click Storage Usage' points to the 'Storage Usage' link in the sidebar. Another blue box labeled '2. Check Free sapce' points to the table header 'Percent Used'.

**Administration Setup**

- Manage Users
- Company Profile
- Security Controls
- Communication Templates
- Translation Workbench
- Data Management
  - Analytic Snapshots
  - Import Accounts/Cont
  - Import Leads
  - Import Solutions
  - Import Custom Object
  - Data Export
  - Storage Usage** \*
  - Mass Transf... Records
  - Mass Delete Records
  - Rollback

**Storage Usage**

Your organization's storage usage is listed below.

Storage Type	Limit	Used	Percent Used
Data Storage	1.0 GB	6.3 MB	1%
File Storage	1.0 GB	9 KB	0%

**Current Data Storage Usage**

Record Type	Record Count	Storage	Percent
SObjectField	2,105	4.1 MB	65%
ChildRelations	798	1.6 MB	25%
SObject	148	296 KB	5%
Settings	148	296 KB	5%



# Follow this if you have error 5/5

5. Try to push Snapshot button at SnapShot Tab again



Setup Test Test System Log Help & Training Logout Object Metadata Snapshot

Home Settings SnapShot SObject +

## Snapshot Console

**Personal Setup**

- My Personal Information
- Email
- Import
- Desktop Integration
- My Chatter Settings New!

**App Setup**

- Customize
- Create
  - Apps
  - Custom Labels
  - Objects
  - Packages
  - Report Types
  - Tabs
- Workflow & Approvals
- Develop

**Snapshot**



# Japanese language 1/3

## 1. Enable Translation Workbench Settings for Japanese

The screenshot shows the Salesforce Translation Workbench setup page. A blue box highlights the 'Setup' link in the top right corner. Another blue box highlights the 'Enable' button at the bottom of the main content area. A third blue box highlights the heading 'Translation Settings' in the middle of the page.

**1. Setup link**

**2. Translation Settings**

**3. Press Enable button**

**Translation Workbench**

**Enable the Translation Workbench**

Welcome to the Translation Workbench

The translation workbench allows you to create translations for the customizations you've made to your Salesforce.com organization. Custom fields can be translated so your global users can use all of Salesforce.com in their language.

If you want to use the translation workbench, you need to enable it. Enabling the workbench makes some changes to your Salesforce organization:

- Picklist values must be edited individually. This means you can't mass edit picklist values, though you can still mass edit them on the filter criteria page when any filter criteria uses the "starts with", "contains", or "is equal to" operators.
- When picklist values are sorted alphabetically, the values are alphabetical by the organization's default language.

All records and values must be in the organization's default language - Global administrators must work together to maintain consistency across the organization. If you'd like to proceed with using the workbench, click **Enable**. If you need to turn the workbench off, click **Disable** on the translation workbench settings page.

**Enable**

# Japanese language 2/3

The screenshot shows the Salesforce Translation Workbench setup interface. A blue box highlights the 'Edit' button in the main header. Another blue box highlights the 'Check here' checkbox in the 'Language Translation Edit' section. A third blue box highlights the 'Select user' section. A fourth blue box highlights the 'Press Save button' at the bottom right.

**4. Edit**

Click Add to select the languages your organization supports and the users who a

**Supported Languages**

Action Language: Japanese

**Translation Workbench Settings**

Edit | Disable

**Personal Setup**

- My Personal Information
- Email
- Import
- Desktop Integration
- My Chatter Settings New!

**App Setup**

- Customize
- Create
- Develop
- Deploy
  - View Installed Packages
  - Critical Updates

**Administration Setup**

- Manage Users
- Company Profile
- Security Controls
- Communication Templates
- Translation Workbench
  - Translation Settings
  - Translate

**4. Check here**

Add translators for this language

**Language Translation Edit**

**Language**: Japanese

**Active**:

**Identify Translators for this Language**

To make users translators for this language, select them from the Available so that they can begin translating.

Search Users:  Find

**5. Select user**

Available List: Force.com Labs

Selected List: Force.com Labs

Add  Remove

**6. Press Save button**

# Japanese language 3/3

2. Change user language with Japanese and then the app shows Japanese

The screenshot shows the Salesforce setup interface for 'Object Definition Import' (オブジェクト設定取得画面). The top navigation bar includes links for Home, Setup, Schema Import, SObject, and a plus sign. The main menu on the left lists categories like Personal Information, Email, Import, Disk Cleanup, and Chatter Settings. The right side contains three warning messages in yellow boxes:

- 警告 設定情報を取得するにはディスク容量が必要となります。特にDeveloper Editionをお使いの方はすべての設定情報を取得することができませんので設定タブからターゲットを絞ってください。デフォルトの組織オブジェクト情報を取得するのに4.5MB必要となります。
- 警告 このアプリケーションはオブジェクトの設定情報を上書きいたします。前回取得したレコードを保存したい場合にはレポート機能でcsvあるいはxlsxファイルとして出力してください。また分析スナップショット機能を使い別オブジェクトに出力することも可能です。
- 警告 設定取得が終わるまでこのページを閉じず約10分程度お待ちください。またボタンの2度押しさは行わないでください。

A 'Setup Import' button is visible at the bottom of the main area.

