

# Midwest Dreamin' Platinum Sponsors













## Midwest Dreamin' Gold Sponsors

Capstorm

CopyStorm • /Restore













# Getting Started with Developer Console

# Phillip Southern

founder clicks 2 code @phil7s



# What is the developer console?

"The Developer Console is an integrated development environment with a collection of tools you can use to create, debug, and test applications in your Salesforce org."

Out of the box development environment provided and supported by Salesforce.

#### How can I access it?

Available in: Salesforce Classic and Lightning Experience

Available in: Enterprise, Performance, Unlimited, Developer, and Database.com Editions

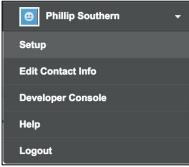
User Permissions Needed		
To use the Developer Console:	"View All Data"	
To execute anonymous Apex:	"Author Apex"	
To use code search and run SOQL or SOSL on the query tab:	"API Enabled"	
To save changes to Apex classes and triggers:	"Author Apex"	
To save changes to Visualforce pages and components:	"Customize Application"	
To save changes to Lightning resources:	"Customize Application"	



#### Where can I access it?

Classic, Classic with Communities, Lightning Experience

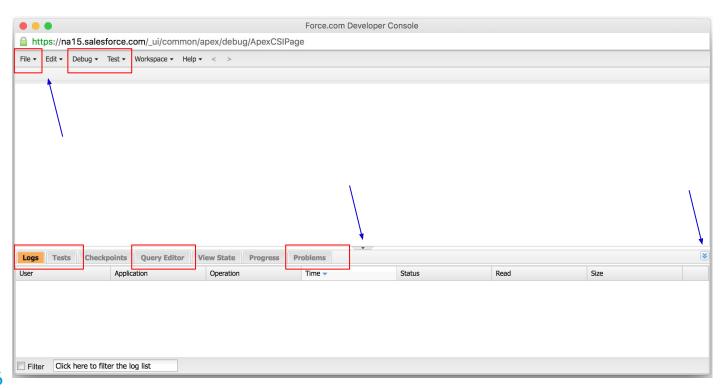








## Where can I access it?





#### What can I do?

#### **Data Centric**

- -View Objects
- -Query Data
- -Update Data

#### **Code Centric**

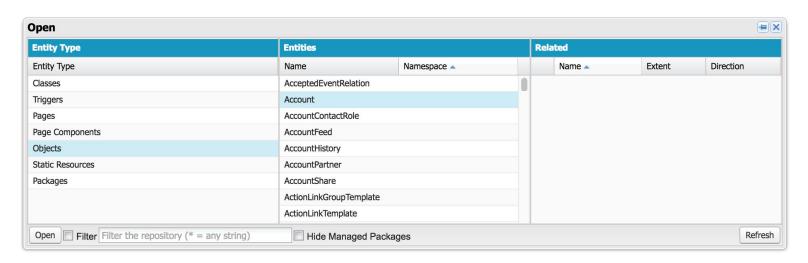
- -View and Edit Code
- -View and Edit Lightning Components
- -Execute Code

#### **Execution Centric**

- -View Logs
- -Run Unit Tests
- -View Code Coverage

## **Data Centric**

Viewing Objects





## **Data Centric**

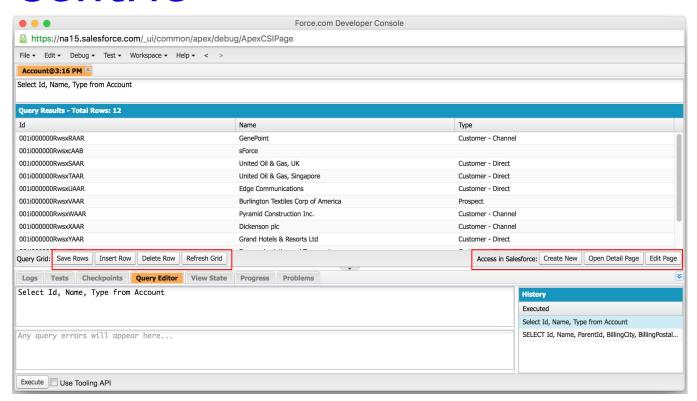
Viewing Objects

Account.obj 🗵		
Name	Арех Туре	
Id	id	ſ
IsDeleted	boolean	
MasterRecordId	reference	
Name	string	
Туре	picklist	
ParentId	reference	
BillingStreet	textarea	
BillingCity	string	
BillingState	string	
BillingPostalCode	string	
BillingCountry	string	
BillingLatitude	double	
BillingLongitude	double	
BillingGeocodeAccuracy	picklist	
BillingAddress	address	
ShippingStreet	textarea	
al an		



### **Data Centric**

Query Editor

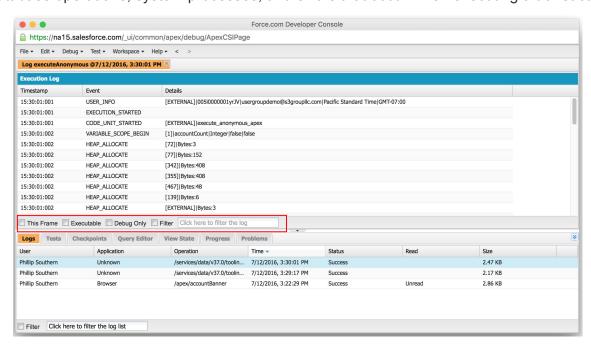




#### Debug Logs

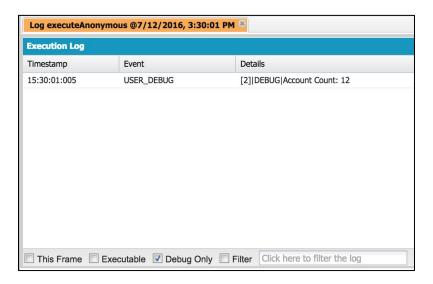
"A debug log can record database operations, system processes, and errors that occur when executing a transaction or

running unit tests."





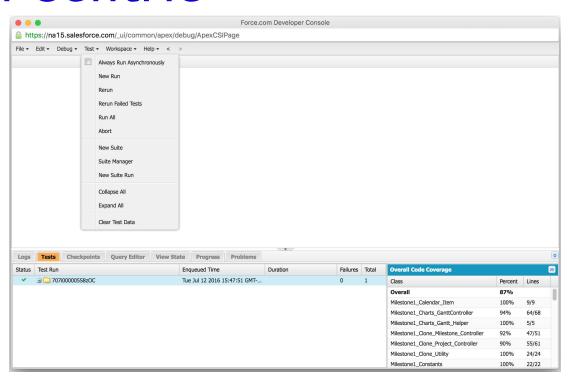
Debug Logs - Debug Only and Limits



15:30:01:005	LIMIT_USAGE_FOR_NS	(default)
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of SOQL queries: 1 out of 100
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of query rows: 12 out of 50000
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of SOSL queries: 0 out of 20
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of DML statements: 0 out of 150
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of DML rows: 0 out of 10000
15:30:01:000	LIMIT_USAGE_FOR_NS	Maximum CPU time: 0 out of 10000
15:30:01:000	LIMIT_USAGE_FOR_NS	Maximum heap size: 0 out of 6000000
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of callouts: 0 out of 100
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of Email Invocations: 0 out of 10
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of future calls: 0 out of 50
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of queueable jobs added to the queue: 0 out of 50
15:30:01:000	LIMIT_USAGE_FOR_NS	Number of Mobile Apex push calls: 0 out of 10
15:30:01:000	LIMIT_USAGE_FOR_NS	
15:30:01:005	CUMULATIVE_LIMIT_USAGE	
15:30:01:005	CODE_UNIT_FINISHED	execute_anonymous_apex

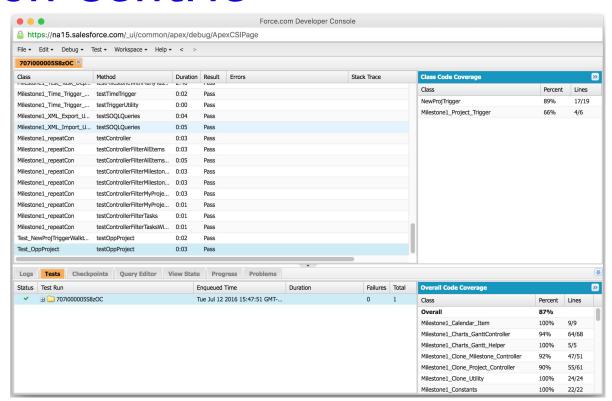


**Unit Testing** 





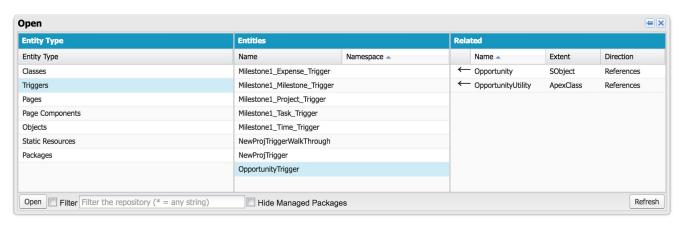
**Unit Testing** 





#### Code Centric

View and Edit Code



```
OpportunityTrigger.apxt T

Code Coverage: None API Version: 37 

trigger OpportunityTrigger on Opportunity (before insert)

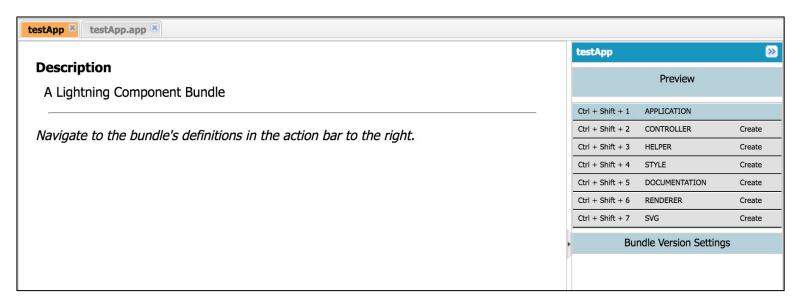
v {

OpportunityUtility.createOrderNumber(trigger.new);

}
```

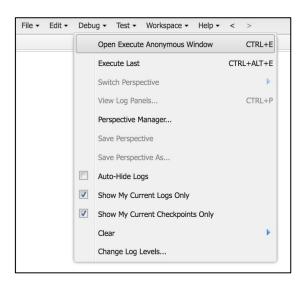
#### Code Centric

View and Edit Lightning Components



#### Code Centric

Execute Code - warning!



## Demo

- 1. Review layout
- 2. Look at an object
- 3. Open Trigger and Class
- 4. Run Test Class
- 5. View Logs

#### Governance

- 1. Internal Discussions
- 2. Which Environment?
- 3. API limits
- 4. Viewing vs Creating/Modifying

#### Resources

anonymous blocks: <a href="https://developer.salesforce.com/docs/atlas.en-us.apexcode.">https://developer.salesforce.com/docs/atlas.en-us.apexcode.</a>
<a href="mailto:meta/apexcode/apex">meta/apexcode/apex</a> anonymous block.htm</a>

developer console intro:

https://help.salesforce.com/apex/HTViewHelpDoc?id=code\_system\_log.htm

interface overview: <a href="https://help.salesforce.com/HTViewHelpDoc?id=code\_dev\_console\_navigating.">https://help.salesforce.com/HTViewHelpDoc?id=code\_dev\_console\_navigating.</a>
<a href="https://help.salesforce.com/HTViewHelpDoc?id=code\_dev\_console\_navigating.">https://help.salesforce.com/HTViewHelpDoc?id=code\_dev\_console\_navigating.</a>

debug logging: <a href="https://developer.salesforce.com/docs/atlas.en-us.apexcode.">https://developer.salesforce.com/docs/atlas.en-us.apexcode.</a>
<a href="mailto:meta/apexcode/apex\_debugging\_debug\_log.htm">meta/apexcode/apex\_debugging\_debug\_log.htm</a>

# questions

Phillip Southern @phil7s



