

# Splunk4Ninjas - Custom Commands

## Hands-On Guide

This guide contains all the commands needed to participate in the session, and its highly recommended to copy and paste them to save time

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# Lab 0 - Prerequisites

## Credentials

Splunk Web:

UI Username - admin

UI Password - \$plunk@C1sc0

SSH:

SSH Username - splunk

SSH Password - Sp1unkH00di3

SSH Port - 2222

## Lab 0 - Prerequisites

splunk>enterprise

Username Password Sign In

UI User - admin  
UI Password - \$plunk@C1sc0



Complete the form:

## Lab 1 - Create an app

The screenshot shows the 'Create an app' form in Splunk. The form fields are as follows:

- Name:** Hello World (with a hint: 'Give your app a friendly name for display in Splunk Web.')
- Folder name:** helloworld (with a hint: 'This name maps to the app's directory in \$SPLUNK\_HOME/etc/apps/').
- Version:** 1.0.0 (with a hint: 'App version.')
- Visible:** Radio buttons for 'No' and 'Yes' (selected). Hint: 'Only apps with views should be made visible.'
- Author:** Barry Sheene (with a hint: 'Name of the app's owner.')
- Description:** A simple custom command (with a hint: 'Enter a description for your app.')
- Template:** barebones (with a hint: 'These templates contain example views and searches.')
- Upload asset:** A 'Choose file' button and 'No file chosen' text. Hint: 'Can be any html, js, or other file to add to your app.'

At the bottom right, there are 'Cancel' and 'Save' buttons. A callout box on the right side of the form contains the following text:

Fill out the details:  
Name - **'Hello World'**  
Folder Name - **'helloworld'**  
Version - **'1.0.0'**  
Author - **'Your Name'**  
Description - **'Simple Description'**

Below the callout box, there is a button labeled 'Click 'Save''.

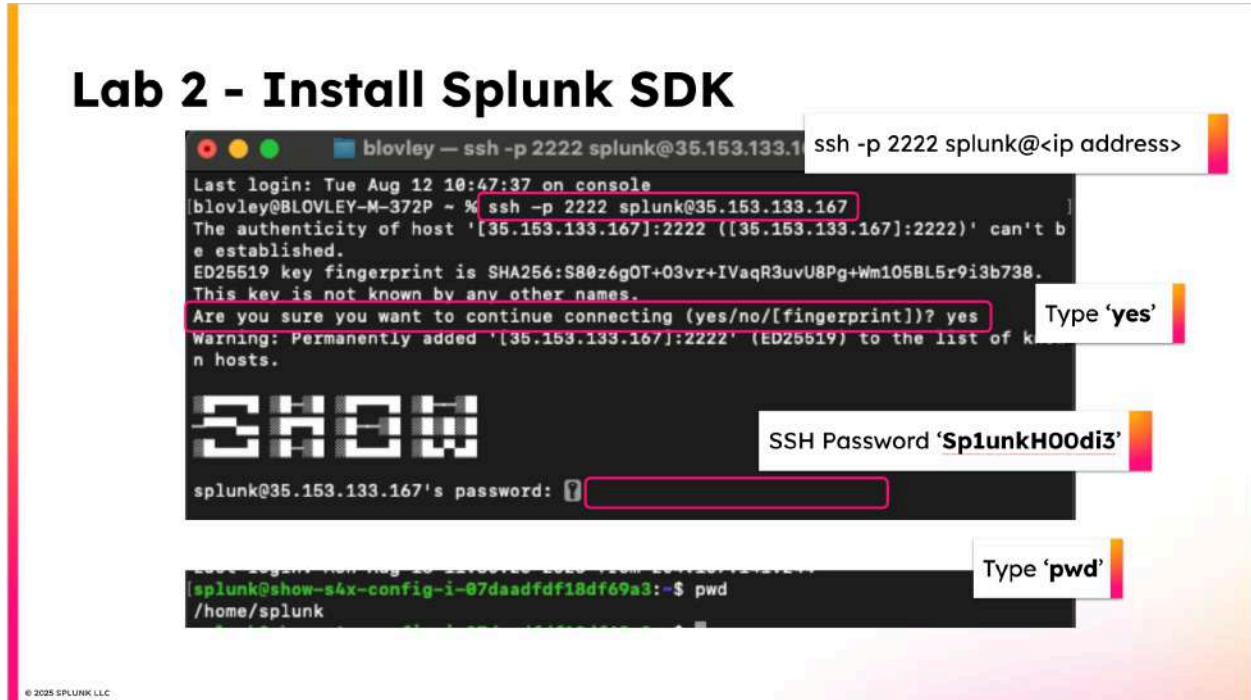
Name - **'Hello World'**  
Folder Name - **'helloworld'**  
Version - **'1.0.0'**  
Author - **'Your Name'**  
Description - **'Simple Description'**

---

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# Lab 2 - Install Splunk SDK

SSH into Splunk:



Shell

ssh -p 2222 [splunk@XXX.XXX.XXX.XXX](#)

yes

Sp1unkH00di3

pwd

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## Lab 2 - Install Splunk SDK

```
splunk@show-sbx-config-1-07daadfd1bdf09a3:~$ sudo chown 10777:10777 -R /opt/splunk/etc/apps/helloworld/
splunk@show-sbx-config-1-07daadfd1bdf09a3:~$ ls -l /opt/splunk/etc/apps/
total 148
drwxr-xr-x 5 root root 4096 Aug 16 2023 DataOnBoard
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 SplunkDeploy
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 SplunkForwarder
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 SplunkIndexer
drwxr-xr-x 11 root root 4096 Oct 1 2024 Splunk_SA_CIM
drwxr-xr-x 12 root root 4096 Oct 1 2024 Splunk_TA_cisco-asa
drwxr-xr-x 7 10777 10777 4096 Sep 5 2024 alert_logevent
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 alert_webhook
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 appsec
drwxr-xr-x 4 10777 10777 4096 Aug 18 2024 generator
drwxr-xr-x 5 10777 10777 4096 Sep 5 2024 7 10777 10777 4096
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 8 10777 10777 4096
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 4 10777 10777 4096
drwxr-xr-x 9 root root 4096 Oct 1 2024 6 10777 10777 4096
drwxr-xr-x 10 10777 10777 4096 Sep 5 2024 5 10777 10777 4096
drwxr-xr-x 10 10777 10777 4096 Sep 5 2024 4 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 Sep 5 2024 8 10777 10777 4096
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 5 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 11 root root 4096 Oct 1 2024 10777 10777 4096
drwxr-xr-x 6 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 Jun 28 2022 10777 10777 4096
drwxr-xr-x 7 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 5 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 4 root root 4096 Apr 28 2022 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 May 28 2024 10777 10777 4096
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 13 10777 10777 4096 Aug 7 2024 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 Mar 12 2024 10777 10777 4096
drwxr-xr-x 11 10777 10777 4096 Aug 7 2024 10777 10777 4096
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 10777 10777 4096
splunk@show-sbx-config-1-07daadfd1bdf09a3:~$
```

sudo chown 10777:10777 -R /opt/splunk/etc/apps/helloworld/

to confirm change:  
ls -l /opt/splunk/etc/apps/

Shell

```
sudo chown 10777:10777 -R /opt/splunk/etc/apps/helloworld/
```

```
ls -l /opt/splunk/etc/apps/
```

## Lab 2 - Install Splunk SDK

```
splunk@show-sbx-config-1-07daadfd1bdf09a3:~$ sudo chmod 755 -R /opt/splunk/etc/apps/helloworld/
splunk@show-sbx-config-1-07daadfd1bdf09a3:~$ ls -l /opt/splunk/etc/apps/
total 148
drwxr-xr-x 5 root root 4096 Aug 16 2023 DataOnBoard
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 SplunkDeploy
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 SplunkForwarder
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 SplunkIndexer
drwxr-xr-x 11 root root 4096 Oct 1 2024 Splunk_SA_CIM
drwxr-xr-x 12 root root 4096 Oct 1 2024 Splunk_TA_cisco-asa
drwxr-xr-x 7 10777 10777 4096 Sep 5 2024 alert_logevent
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 alert_webhook
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 appsec
drwxr-xr-x 4 10777 10777 4096 Aug 18 2024 generator
drwxr-xr-x 5 10777 10777 4096 Sep 5 2024 7 10777 10777 4096
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 8 10777 10777 4096
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 4 10777 10777 4096
drwxr-xr-x 9 root root 4096 Oct 1 2024 6 10777 10777 4096
drwxr-xr-x 10 10777 10777 4096 Sep 5 2024 5 10777 10777 4096
drwxr-xr-x 10 10777 10777 4096 Sep 5 2024 4 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 Sep 5 2024 8 10777 10777 4096
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 5 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 11 root root 4096 Oct 1 2024 10777 10777 4096
drwxr-xr-x 6 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 Jun 28 2022 10777 10777 4096
drwxr-xr-x 7 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 5 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 4 root root 4096 Apr 28 2022 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 May 28 2024 10777 10777 4096
drwxr-xr-x 4 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 8 10777 10777 4096 Sep 5 2024 10777 10777 4096
drwxr-xr-x 13 10777 10777 4096 Aug 7 2024 10777 10777 4096
drwxr-xr-x 9 10777 10777 4096 Mar 12 2024 10777 10777 4096
drwxr-xr-x 11 10777 10777 4096 Aug 7 2024 10777 10777 4096
splunk@show-sbx-config-1-07daadfd1bdf09a3:~$
```

sudo chmod 755 -R /opt/splunk/etc/apps/helloworld/

to confirm change:  
ls -l /opt/splunk/etc/apps/

Shell

```
sudo chmod 755 -R /opt/splunk/etc/apps/helloworld/
```

```
ls -l /opt/splunk/etc/apps/
```

## Lab 2 - Install Splunk SDK

```
splunk@show-s4x-config-i-07daadfdf18df69a3:~$ cd /opt/splunk/etc/apps/helloworld/  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld$ ls -l  
total 16  
drwx--x--- 2 10777 10777 4096 Aug 18 12:22 bin  
drwx--x--- 3 10777 10777 4096 Aug 18 12:22 default  
drwx----- 2 10777 10777 4096 Aug 18 12:22 local  
drwx--x--- 2 10777 10777 4096 Aug 18 12:22 metadata  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld$
```

```
cd /opt/splunk/etc/apps/helloworld/
```

View app contents:

```
ls -l
```

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Shell

```
cd /opt/splunk/etc/apps/helloworld/
```

```
ls -l
```

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## Lab 2 - Install Splunk SDK

```
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld$ sudo setfacl -R -m u:splunk:rw /opt/splunk/etc/apps/helloworld
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld$ sudo setfacl -d -m u:splunk:rw /opt/splunk/etc/apps/helloworld
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld$ cd bin/
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin$ mkdir splunklib
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin$ cd splunklib/
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib$ git --version
git version 2.26.1
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib$ git init splunk-sdk-python
Initialized empty Git repository in /opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python/.git/
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib$ cd splunk-sdk-python
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python$ git remote add origin https://github.com/splunk/splunk-sdk-python.git
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python$ git config core.sparseCheckout true
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python$ echo splunklib/ >> .git/info/sparse-checkout
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python$ git pull --depth=1 origin master || git pull --depth=1 origin main
remote: Enumerating objects: 286, done.
remote: Counting objects: 188N (286/286), done.
remote: Compressing objects: 188N (179/229), done.
remote: Total 286 (delta 24), reused 100 (delta 18), pack-reused 0 (from 0)
Receiving objects: 188N (286/286), 457.74 KiB | 8.64 MiB/s, done.
Resolving deltas: 188N (24/24), done.
From https://github.com/splunk/splunk-sdk-python
* branch            master       -> FETCH_HEAD
* [new branch]      master       -> origin/master
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python$ cp -a splunklib/* /opt/splunk/etc/apps/helloworld/bin/splunklib/
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib/splunk-sdk-python$ cd ..
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib$ rm -rf splunk-sdk-python
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib$ ls -l
total 288
-rw-r--r-- 1 splunk wheel 1384 Aug 18 13:07 __init__.py
-rw-r--r-- 1 splunk wheel 61878 Aug 18 13:07 binding.py
-rw-r--r-- 1 splunk wheel 152936 Aug 18 13:07 client.py
-rw-r--r-- 1 splunk wheel 1272 Aug 18 13:07 data.py
drwxr-xr-x 2 splunk wheel 4096 Aug 18 13:07 mockhttpinput
-rw-r--r-- 1 splunk wheel 12885 Aug 18 13:07 results.py
drwxr-xr-x 2 splunk wheel 4096 Aug 18 13:07 searchcommands
-rw-r--r-- 1 splunk wheel 34636 Aug 18 13:07 six.py
-rw-r--r-- 1 splunk wheel 1356 Aug 18 13:07 util.py
splunk@hawaii-aka-config-1-87d4edf12d6f6a51:/opt/splunk/etc/apps/helloworld/bin/splunklib$
```



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Shell

```
sudo setfacl -R -m u:splunk:rw /opt/splunk/etc/apps/helloworld
sudo setfacl -d -m u:splunk:rw /opt/splunk/etc/apps/helloworld
cd bin/
mkdir splunklib
cd splunklib/
git --version
git init splunk-sdk-python
cd splunk-sdk-python
git remote add origin https://github.com/splunk/splunk-sdk-python.git
git config core.sparseCheckout true
echo splunklib/ >> .git/info/sparse-checkout
git pull --depth=1 origin master || git pull --depth=1 origin main

cp -a splunklib/* /opt/splunk/etc/apps/helloworld/bin/splunklib/
cd ..
rm -rf splunk-sdk-python
```



## Lab 3 - Create Script

### Lab 3 - Create Script

```
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/bin/splunklib$ cd ../  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/bin$ nano helloworld.py
```

Change directory to bin:

```
cd ../
```

or

```
cd  
/opt/splunk/etc/apps/helloworld/bin/
```

```
nano helloworld.py
```

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Shell

```
cd /opt/splunk/etc/apps/helloworld/bin/
```

```
nano helloworld.py
```

### Lab 3 - Create Script

```
GNU nano 4.8  
#!/usr/bin/env python3  
  
import sys  
import os  
sys.path.insert(0, os.path.join(os.path.dirname(__file__), "splunklib"))  
  
from splunklib.searchcommands import StreamingCommand, Configuration, Option, dispatch  
  
@Configuration()  
class HelloWorldCommand(StreamingCommand):  
    field = Option(require=True)  
  
    def stream(self, records):  
        for record in records:  
            value = record.get(self.field, "")  
            record["helloworld"] = f"hello {value}"  
            yield record  
  
dispatch(HelloWorldCommand, sys.argv, sys.stdin, sys.stdout, __name__)
```

Paste the script

ctrl + x

ctrl + y

'Enter'

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Python

```
#!/usr/bin/env python3
```

```
import sys
import os
sys.path.insert(0, os.path.join(os.path.dirname(__file__), "splunklib"))

from splunklib.searchcommands import StreamingCommand, Configuration, Option,
dispatch

@Configuration()
class HelloWorldCommand(StreamingCommand):
    field = Option(require=True)

    def stream(self, records):
        for record in records:
            value = record.get(self.field, "")
            record["helloworld"] = f"hello {value}"
            yield record

dispatch(HelloWorldCommand, sys.argv, sys.stdin, sys.stdout, __name__)
```

---

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## Lab 4 - Register Command

### Lab 4 - Register Command

```
splunk@show-s4x-config-i-07daadfdf18df69a3: /opt/splunk/etc/apps/helloworld/bin$ cd /opt/splunk/etc/apps/helloworld/default/  
splunk@show-s4x-config-i-07daadfdf18df69a3: /opt/splunk/etc/apps/helloworld/default$ ls -l  
total 8  
-rw-rw-r-x+ 1 10777 10777 195 Aug 18 12:22 app.conf  
drwxrwxr-x+ 3 10777 10777 4096 Aug 18 12:22 data  
splunk@show-s4x-config-i-07daadfdf18df69a3: /opt/splunk/etc/apps/helloworld/default$ nano commands.conf
```

navigate to the app 'default' directory

nano commands.conf

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Shell

nano commands.conf

Intentionally Blank

## Lab 4 - Register Command

```
GNU nano 4.8  
[helloworld]  
filename = helloworld.py  
chunked = true  
supports_getinfo = true  
outputheader = true
```

Paste the content

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None

```
[helloworld]  
filename = helloworld.py  
chunked = true  
supports_getinfo = true  
outputheader = true
```

Intentionally Blank

## Lab 5 - Enable Search Assistant

### Lab 5 - Enable Search Assistant

```
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/bin$ cd /opt/splunk/etc/apps/helloworld/default/  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/default$ ls -l  
total 8  
-rwxrwxr-x+ 1 10777 10777 195 Aug 18 12:22 app.conf  
drwxrwxr-x+ 3 10777 10777 4096 Aug 18 12:22 data  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/default$ nano commands.conf  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/default$ nano searchbnf.conf
```

ensure your in the app 'default' directory

nano searchbnf.conf

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Shell

nano searchbnf.conf

Intentionally Blank

## Lab 5 - Enable Search Assistant

```
GNU nano 4.8
[helloworld-command]
syntax = HELLOWORLD FIELD=<field>
shortdesc = Returns a new field that says "hello <field value>".
description = \
    The helloworld command adds a new field called 'helloworld' that prepends 'hello ' to the value \
    of the specified field.
example1 = \
    | makeresults | eval name="Alice" | helloworld field=name
arguments.field = Required. The name of the field whose value will be prepended with "hello ".
category = streaming
usage = public
appears-in = 1.0
maintainer = you
```

Paste the content

None

```
[helloworld-command]
syntax = HELLOWORLD FIELD=<field>
shortdesc = Returns a new field that says "hello <field value>".
description = \
    The helloworld command adds a new field called 'helloworld' that prepends
    'hello ' to the value \
    of the specified field.
example1 = \
    | makeresults | eval name="Alice" | helloworld field=name
arguments.field = Required. The name of the field whose value will be prepended
with "hello ".
category = streaming
usage = public
appears-in = 1.0
maintainer = you
```

Intentionally Blank

## Lab 5 - Enable Search Assistant

```
splunk@show-s4x-config-1-07daadfd18df69a3:/opt/splunk/etc/apps/helloworld/default$ cd /opt/splunk/etc/apps/helloworld/metadata/  
splunk@show-s4x-config-1-07daadfd18df69a3:/opt/splunk/etc/apps/helloworld/metadata$ nano default.meta
```

navigate to app 'metadata' directory

nano default.meta

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Shell

nano default.meta

## Lab 5 - Enable Search Assistant

```
GNU nano 4.8 default.meta  
# Application-level permissions  
{  
  access = read : [ * ], write : [ admin, power ]  
  
  ## EVENT TYPES  
  [eventtypes]  
  export = system  
  
  ## PROPS  
  [props]  
  export = system  
  
  ## TRANSFORMS  
  [transforms]  
  export = system  
  
  ## LOOKUPS  
  [lookups]  
  export = system  
  
  ## VIEWSTATES: even normal users should be able to create shared viewstates  
  [viewstates]  
  access = read : [ * ], write : [ * ]  
  export = system  
  
  [searchbnf]  
  # Export the BNF definitions system-wide so the Search Assistant works globally.  
  export = system
```

Paste the content at the end

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None

```
[searchbnf]  
export = system
```



## Lab 6 - Deploy and test

### Lab 6 - Deploy and test

```
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld$ cd bin/  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/bin$ chmod 755 /opt/splunk/etc/apps/helloworld/bin/helloworld.py  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/bin$ ls -l  
total 12  
-rwxr-xr-x 1 10777 10777 43 Aug 18 12:22 README  
-rwxr-xr-x 1 splunk wheel 559 Aug 18 13:23 helloworld.py  
drwxr-xr-x 4 splunk wheel 4096 Aug 18 13:08 splunklib  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/bin$ sudo /opt/splunk/bin/splunk restart
```

navigate to app 'bin' directory

chmod 755 /opt/splunk/apps/helloworld/bin/helloworld.py

sudo /opt/splunk/bin/splunk restart

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Shell

```
chmod 755 /opt/splunk/apps/helloworld/bin/helloworld.py
```

```
sudo /opt/splunk/bin/splunk restart
```

### Lab 6 - Deploy and test

Log back into Splunk UI

splunk>enterprise

Username

Password

Sign In

UI User - admin

UI Password - \$plunk@C1sc0

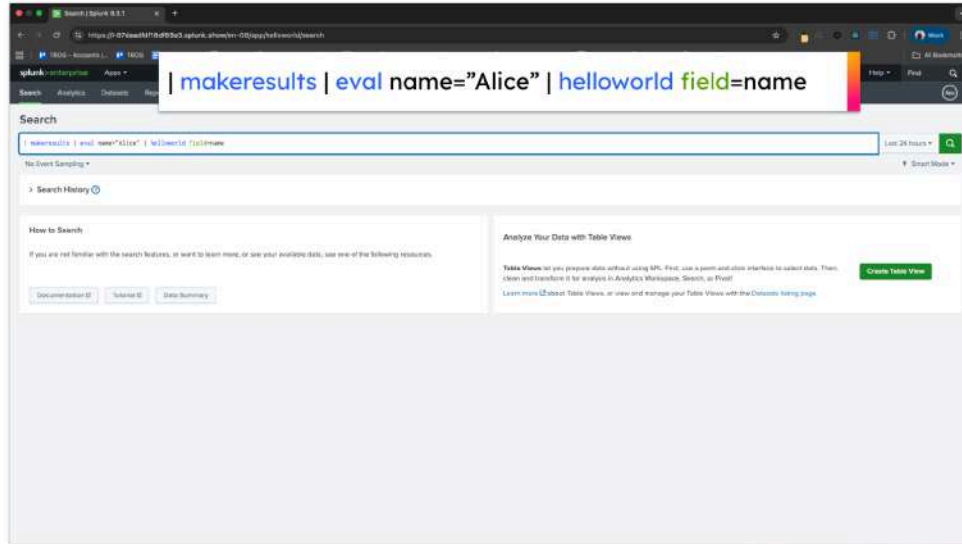
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None

admin

\$plunk@C1sc0

## Lab 6 - Deploy and test



None

```
| makeresults | eval name="Alice" | helloworld field=name
```

Intentionally Blank

## Lab 7 - Modify App access

### Lab 7 - Modify App access



A terminal window titled 'blovley' showing an SSH session. The command 'ssh -p 2222 splunk@35.153.133.167' is entered and highlighted with a red box. The terminal output shows 'Last login: Tue Aug 12 10:47:37 on console' and the prompt 'blovley@BLOVLEY-M-372P ~ %'. Below this, the 'SSH' logo is displayed, and the prompt 'splunk@35.153.133.167's password: ' is shown with a red box around the input field. A callout box at the top right contains the command 'ssh -p 2222 splunk@<ip address>'. Another callout box on the right contains the text 'SSH Password 'Sp1unkH00di3''.

```
blovley — ssh -p 2222 splunk@35.153.133.167 ssh -p 2222 splunk@<ip address>
Last login: Tue Aug 12 10:47:37 on console
blovley@BLOVLEY-M-372P ~ % ssh -p 2222 splunk@35.153.133.167
SSH
splunk@35.153.133.167's password: 
```

Shell

```
ssh -p 2222 splunk@XXX.XXX.XXX.XXX
```

Sp1unkH00di3

Intentionally Blank

## Lab 7 - Modify App access

```
splunk@show-s4x-config-i-07daadfdf18df69a3:~$ cd /opt/splunk/etc/apps/helloworld/metadata/  
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/metadata$ nano default.meta
```

navigate to app 'metadata' directory

nano default.meta

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Shell

```
cd /opt/splunk/etc/apps/helloworld/metadata
```

```
nano default.meta
```

Intentionally Blank

## Lab 7 - Modify App access

```
GNU nano 2.8.0 default.meta
# Application-level permissions
[ ]
access = read : [ * ], write : [ admin, power ]

## EVENT TYPES
[eventtypes]
export = system

## PROPS
[props]
export = system

## TRANSFORMS
[transforms]
export = system

## LOOKUPS
[lookups]
export = system

## VIEWSTATES: even normal users should be able to create shared viewstates
[viewstates]
access = read : [ * ], write : [ * ]
export = system

# Export the BMF definitions system-wide so the Search Assistant works globally.
[searchconf]
export = system

[commands/helloworld]
export = system
access = read : [ * ], write : [ admin, power ]

```

Paste the content at the end

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None

```
[commands/helloworld]
export = system
access = read : [ * ], write : [ admin, power ]
```

## Lab 7 - Modify App access

```
splunk@show-s4x-config-i-07daadfdf18df69a3:~$ cd /opt/splunk/etc/apps/helloworld/metadata/
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/metadata$ nano default.meta
splunk@show-s4x-config-i-07daadfdf18df69a3:/opt/splunk/etc/apps/helloworld/metadata$ sudo /opt/splunk/bin/splunk restart
```

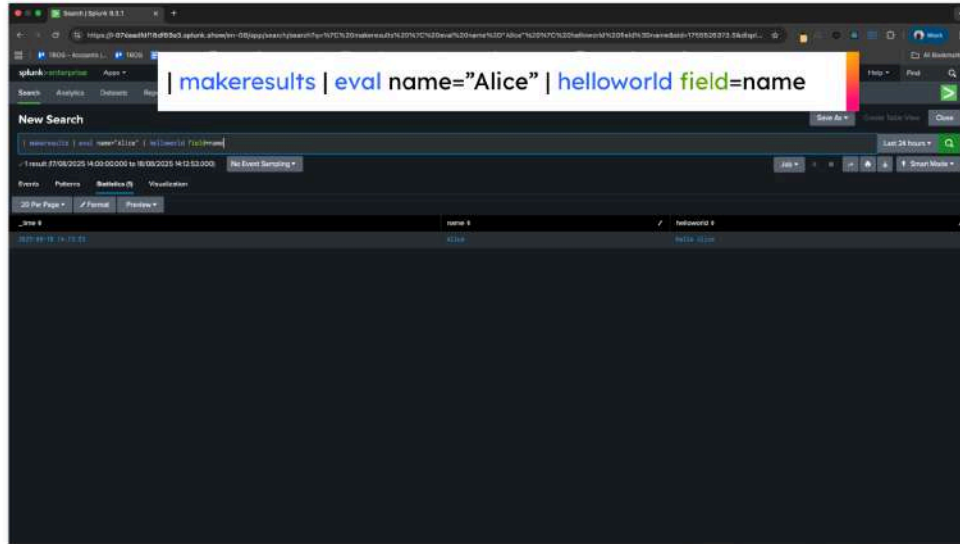
sudo /opt/splunk/bin/splunk restart

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Shell

```
sudo /opt/splunk/bin/splunk restart
```

## Lab 7 - Modify App access



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None

```
| makeresults | eval name="Alice" | helloworld field=name
```