sdkman-documentation

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Summary

Scenarios			Steps							Features: 19	
Passed	Failed	Total	Passed	Failed	Skipped	Pending	Undefined	Missing	Total	Duration	Status
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Scenarios			Steps							Features: 19	
10	0	10	34	0	0	0	0	0	34	01s 549ms	passed
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16	0	16	69	0	0	0	0	0	69	01s 876ms	passed
Service Unavailable											
42	0	42	136	0	0	0	0	0	136	04s 330ms	passed
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12	0	12	38	0	0	0	0	0	38	01s 368ms	passed
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22	0	22	90	0	0	0	0	0	90	03s 522ms	passed
Version											
2	0	2	5	0	0	0	0	0	5	219ms	passed
Totals											
259	0	259	978	0	0	0	0	0	978	33s 570ms	

Features

Broadcast

Background

Given

the internet is reachable 👍 (163ms)

And

an initialised environment 👍 (009ms)

And

the system is bootstrapped 👍 (102ms)

Scenario: A command is issued with no prior Broadcast received

Given

no prior Broadcast was received 👍 (000ms)

And

a new Broadcast "This is a LIVE Broadcast!" with id "12345" is available 👍 (029ms)

When

I enter "sdk version" 👍 (101ms)

Then

I see "This is a LIVE Broadcast!" 👍 (001ms)

```
Output:

This is a LIVE Broadcast!
SDKMAN x.y.z
```

Scenario: A command is issued where the prior Broadcast was different to the Live one

Given

a prior Broadcast "This is an OLD Broadcast!" with id "12344" was issued 👍 (000ms)

And

a new Broadcast "This is a LIVE Broadcast!" with id "12345" is available 👍 (017ms)

When

I enter "sdk version" 👍 (100ms)

Then

I see "This is a LIVE Broadcast!" 👍 (000ms)

```
Output:

This is a LIVE Broadcast!
SDKMAN x.y.z
```

Scenario: A command is issued where the prior Broadcast was the same as the Live one

Given

a prior Broadcast "This is a LIVE Broadcast!" with id "12345" was issued 👍 (000ms)

And

a new Broadcast "This is a LIVE Broadcast!" with id "12345" is available 👍 (016ms)

When

I enter "sdk version" 👍 (100ms)

Then

I do not see "This is a LIVE Broadcast!" 👍 (000ms)

```
Output:

SDKMAN x.y.z
```

Scenario: A Broadcast command recalls a prior Broadcast

Given

a prior Broadcast "This is an OLD Broadcast!" with id "12344" was issued 👍 (000ms)

And

a new Broadcast "This is an OLD Broadcast!" with id "12344" is available 👍 (014ms)

When

I enter "sdk broadcast" 👍 (100ms)

Then

I see "This is an OLD Broadcast!" 👍 (000ms)

```
Output:

This is an OLD Broadcast!
```

Scenario: A Broadcast command is issued with no prior Broadcast received

Given

no prior Broadcast was received 👍 (000ms)

And

a new Broadcast "This is a LIVE Broadcast!" with id "12345" is available 👍 (012ms)

When

I enter "sdk broadcast" 👍 (100ms)

Then

I see "This is a LIVE Broadcast!" 👍 (000ms)

```
Output:

This is a LIVE Broadcast!
```

Command Line Interop

Background

Given

the internet is reachable 👍 (027ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

Scenario: Enter sdk

When

I enter "sdk" 👍 (100ms)

Then

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

And

I see "sdk offline <enable|disable>" 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Ask for help

When

I enter "sdk help" 👍 (100ms)

Then

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Enter an invalid Command

When

I enter "sdk goopoo grails" 👍 (100ms)

Then

I see "Invalid command: goopoo" 👍 (000ms)

And

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

```
Output:

broadcast message
Invalid command: goopoo

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Enter an invalid Candidate

When

I enter "sdk install groffle" 👍 (100ms)

Then

I see "Stop! groffle is not a valid candidate." 👍 (000ms)

```
Output:

broadcast message

Stop! groffle is not a valid candidate.
```

Current Candidate

Background

Given

the internet is reachable 👍 (025ms)

And

an initialised environment 👍 (003ms)

Scenario: Display current candidate version in use

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (007ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk current grails" 👍 (100ms)

Then

I see "Using grails version 1.3.9" 👍 (000ms)

```
Output:

broadcast message
Using grails version 1.3.9
```

Scenario: Display current candidate version when none is in use

Given

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk current grails" 👍 (100ms)

Then

I see "Not using any version of grails" 👍 (000ms)

```
Output:

broadcast message
Not using any version of grails
```

Scenario: Display current candidate versions when none is specified and none is in use

Given

the candidate "grails" version "1.3.9" is already installed but not default 👍 (001ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk current" 👍 (100ms)

Then

I see "No candidates are in use" 👍 (000ms)

```
Output:

broadcast message
No candidates are in use
```

Scenario: Display current candidate versions when none is specified and one is in use

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (001ms)

And

the system is bootstrapped 👍 (103ms)

When

I enter "sdk current" 👍 (100ms)

Then

I see "Using:" 👍 (000ms)

And

I see "grails: 2.1.0" 👍 (000ms)

```
Output:

broadcast message
Using:
grails: 2.1.0
```

Scenario: Display current candidate versions when none is specified and multiple are in use

Given

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is already installed and default 👍 (001ms)

And

the system is bootstrapped 👍 (117ms)

When

I enter "sdk current" 👍 (102ms)

Then

I see "Using:" 👍 (000ms)

And

I see "grails: 2.1.0" 👍 (000ms)

And

I see "groovy: 2.0.5" 👍 (000ms)

```
Output:

broadcast message
Using:
groovy: 2.0.5
grails: 2.1.0
```

Default Version

Background

Given

the internet is reachable 👍 (023ms)

And

an initialised environment 👍 (003ms)

Scenario: Default a candidate version that is not installed

Given

the candidate "groovy" version "2.0.5" is a valid candidate version 👍 (006ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default groovy 2.0.5" 👍 (100ms)

Then

I see "Stop! groovy 2.0.5 is not installed." 👍 (000ms)

```
Output:

broadcast message

Stop! groovy 2.0.5 is not installed.
```

Scenario: Default a candidate version that is installed and not default

Given

the candidate "groovy" version "2.0.5" is a valid candidate version 👍 (006ms)

And

the candidate "groovy" version "2.0.5" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default groovy 2.0.5" 👍 (100ms)

Then

I see "Default groovy version set to 2.0.5" 👍 (000ms)

And

the candidate "groovy" version "2.0.5" should be the default 👍 (001ms)

```
Output:

broadcast message

Default groovy version set to 2.0.5
```

Scenario: Default a candidate version that is installed and already default

Given

the candidate "groovy" version "2.0.5" is a valid candidate version 👍 (005ms)

And

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default groovy 2.0.5" 👍 (100ms)

Then

I see "Default groovy version set to 2.0.5" 👍 (000ms)

And

the candidate "groovy" version "2.0.5" should be the default 👍 (000ms)

```
Output:

broadcast message

Default groovy version set to 2.0.5
```

Scenario: Default a candidate version that does not exist

Given

the candidate "groovy" version "2.9.9" is not available for download 👍 (005ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default groovy 2.9.9" 👍 (100ms)

Then

I see "Stop! 2.9.9 is not a valid groovy version." 👍 (000ms)

```
Output:

broadcast message

Stop! 2.9.9 is not a valid groovy version.
```

Flush

Background

Given

the internet is reachable 👍 (020ms)

And

an initialised environment 👍 (004ms)

And

the system is bootstrapped 👍 (101ms)

Scenario: Flush omitting the Qualifier

When

I enter "sdk flush" 👍 (100ms)

Then

I see "Stop! Please specify what you want to flush." 👍 (000ms)

```
Output:

Stop! Please specify what you want to flush.
```

Scenario: Clear out the Candidate List

Given

the candidate "grails" is known locally 👍 (000ms)

When

I enter "sdk flush candidates" 👍 (100ms)

Then

no candidates are know locally 👍 (000ms)

And

I see "Candidates have been flushed." 👍 (000ms)

```
Output:

Candidates have been flushed.
```

Scenario: Clear out an uninitialised Candidate List

Given

I enter "sdk flush candidates" 👍 (100ms)

When

I enter "sdk flush candidates" 👍 (100ms)

Then

I see "No candidate list found so not flushed." 👍 (000ms)

```
Output:

No candidate list found so not flushed.
```

Scenario: Clean up the current Broadcast

Given

a prior Broadcast "This is an old broadcast" with id "12344" was issued 👍 (000ms)

When

I enter "sdk flush broadcast" 👍 (100ms)

Then

no broadcast message can be found 👍 (000ms)

And

I see "Broadcast has been flushed." 👍 (000ms)

```
Output:

Broadcast has been flushed.
```

Scenario: Clean up an uninitialised Broadcast

Given

the broadcast has been flushed 👍 (000ms)

When

I enter "sdk flush broadcast" 👍 (100ms)

Then

I see "No prior broadcast found so not flushed." 👍 (000ms)

```
Output:

No prior broadcast found so not flushed.
```

Scenario: Clean up the last known Remote Version

Given

a prior version "x.y.z" was detected 👍 (000ms)

When

I enter "sdk flush version" 👍 (100ms)

Then

no version token can be found 👍 (000ms)

And

I see "Version Token has been flushed." 👍 (000ms)

```
Output:

Version Token has been flushed.
```

Scenario: Clean up an uninitialised last known Remote Version

Given

the Remote Version has been flushed 👍 (000ms)

When

I enter "sdk flush version" 👍 (100ms)

Then

I see "No prior Remote Version found so not flushed." 👍 (000ms)

```
Output:

No prior Remote Version found so not flushed.
```

Scenario: Clear out the cached Archives

Given

the archive "grails-1.3.9.zip" has been cached 👍 (000ms)

When

I enter "sdk flush archives" 👍 (100ms)

Then

no archives are cached 👍 (000ms)

And

I see "1 archive(s) flushed" 👍 (000ms)

```
Output:

1 archive(s) flushed, freeing 4.0K  /tmp/sdkman-test/112ef11b-e2db-4558-
a405-3bfcdf1411e4/.sdkman/archives.
```

Scenario: Clear out the temporary space

Given

the file "res-1.2.0.zip" in temporary storage 👍 (000ms)

When

I enter "sdk flush temp" 👍 (100ms)

Then

no "res-1.2.0.zip" file is present in temporary storage 👍 (000ms)

And

I see "1 archive(s) flushed" 👍 (000ms)

```
Output:

1 archive(s) flushed, freeing 4.0K  /tmp/sdkman-test/112ef11b-e2db-4558-a405-3bfcdf1411e4/.sdkman/tmp.
```

Idempotent Self Update

Background

Given

the internet is reachable 👍 (020ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

And

an available selfupdate 👍 (005ms)

Scenario: Attempt Self Update on an up to date system

When

I enter "sdk selfupdate" 👍 (100ms)

Then

I see "No update available at this time." 👍 (000ms)

```
Output:

No update available at this time.
```

Scenario: Force Self Update on an up to date system

When

I enter "sdk selfupdate force" 👍 (100ms)

Then

I see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:

Successfully upgraded SDKMAN.
```

Install Candidate

Background

Given

the internet is reachable 👍 (020ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

Scenario: Install a default Candidate

Given

the default "grails" candidate is "2.1.0" 👍 (018ms)

When

I enter "sdk install grails" and answer "Y" 👍 (101ms)

Then

I see "Done installing!" 👍 (000ms)

Then

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  53421      0 --:--:-- --:--:-- --:--:--
53421

Installing: grails 2.1.0
Done installing!

Do you want grails 2.1.0 to be set as default? (Y/n):
Setting grails 2.1.0 as default.
```

Scenario: Install a specific Candidate

And

the candidate "grails" version "1.3.9" is available for download 👍 (017ms)

When

I enter "sdk install grails 1.3.9" and answer "Y" 👍 (101ms)

Then

I see "Done installing!" 👍 (000ms)

Then

the candidate "grails" version "1.3.9" is installed 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 1.3.9

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  89986      0 --:--:-- --:--:-- --:--:--
89986

Installing: grails 1.3.9
Done installing!

Do you want grails 1.3.9 to be set as default? (Y/n):
Setting grails 1.3.9 as default.
```

Scenario: Install a Candidate version that does not exist

Given

the candidate "grails" version "1.4.4" is not available for download 👍 (005ms)

When

I enter "sdk install grails 1.4.4" 👍 (100ms)

Then

I see "Stop! 1.4.4 is not a valid grails version." 👍 (000ms)

```
Output:

broadcast message

Stop! 1.4.4 is not a valid grails version.
```

Scenario: Install a Candidate version that is already installed

Given

the candidate "grails" version "1.3.9" is available for download 👍 (017ms)

And

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

When

I enter "sdk install grails 1.3.9" 👍 (100ms)

Then

I see "Stop! grails 1.3.9 is already installed." 👍 (000ms)

```
Output:

broadcast message

Stop! grails 1.3.9 is already installed.
```

Scenario: Install a candidate and select to use it

Given

the candidate "grails" version "2.1.0" is available for download 👍 (016ms)

When

I enter "sdk install grails 2.1.0" and answer "Y" 👍 (100ms)

Then

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

And

I see "Done installing!" 👍 (000ms)

And

I see "Do you want grails 2.1.0 to be set as default? (Y/n)" 👍 (000ms)

And

I see "Setting grails 2.1.0 as default." 👍 (000ms)

Then

the candidate "grails" version "2.1.0" should be the default 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  86187      0 --:--:-- --:--:-- --:--:--
86187

Installing: grails 2.1.0
Done installing!

Do you want grails 2.1.0 to be set as default? (Y/n):
Setting grails 2.1.0 as default.
```

Scenario: Install a candidate and select to use it automatically

Given

the candidate "grails" version "2.1.0" is available for download 👍 (023ms)

And

I have configured "sdkman_auto_answer" to "true" 👍 (000ms)

When

I enter "sdk install grails 2.1.0" 👍 (100ms)

Then

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

And

I see "Done installing!" 👍 (000ms)

And

I see "Setting grails 2.1.0 as default." 👍 (000ms)

Then

the candidate "grails" version "2.1.0" should be the default 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  88601      0 --:--:-- --:--:-- --:--:--
88601

Installing: grails 2.1.0
Done installing!


Setting grails 2.1.0 as default.
```

Scenario: Install a candidate and do not select to use it

Given

the candidate "grails" version "2.1.0" is available for download 👍 (022ms)

When

I enter "sdk install grails 2.1.0" and answer "n" 👍 (100ms)

Then

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

And

I see "Done installing!" 👍 (000ms)

And

I see "Do you want grails 2.1.0 to be set as default? (Y/n)" 👍 (000ms)

And

I do not see "Setting grails 2.1.0 as default." 👍 (000ms)

Then

the candidate "grails" version "2.1.0" should not be the default 👍 (001ms)

```
Output:

broadcast message

Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  89229      0 --:--:-- --:--:-- --:--:--
89229

Installing: grails 2.1.0
Done installing!

Do you want grails 2.1.0 to be set as default? (Y/n):
```

Scenario: Abort installation on download of a corrupt Candidate archive

Given

the candidate "grails" version "1.3.6" is available for download 👍 (019ms)

And

the archive for candidate "grails" version "1.3.6" is corrupt 👍 (004ms)

When

I enter "sdk install grails 1.3.6" 👍 (100ms)

Then

I see "Stop! The archive was corrupt and has been removed! Please try installing again." 👍 (000ms)

And

the candidate "grails" version "1.3.6" is not installed 👍 (000ms)

And

the archive for candidate "grails" version "1.3.6" is removed 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 1.3.6

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100    31  100    31    0     0   5123      0 --:--:-- --:--:-- --:--:--
5123

Stop! The archive was corrupt and has been removed! Please try installing
again.
```

List Candidate Versions

A dummy template to be served back that has the following information:
* Candidate: grails
* Current: 2.1.0
* Versions: 2.1.0,2.1.1,2.1.2 (CSV)

Background

Given

the internet is reachable 👍 (023ms)

And

an initialised environment 👍 (005ms)

Scenario: List an uninstalled available Version

Given

I do not have a "grails" candidate installed 👍 (000ms)

And

the candidate "grails" has a version list available 👍 (011ms)

And

the system is bootstrapped 👍 (107ms)

When

I enter "sdk list grails" 👍 (100ms)

Then

I see "Candidate: grails" 👍 (000ms)

```
Output:

broadcast message
Candidate: grails; Versions: ; Current:
```

Scenario: List an installed available Version not in use

Given

the candidate "grails" version "2.1.0" is already installed but not default 👍 (000ms)

And

the candidate "grails" has a version list available 👍 (005ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list grails" 👍 (100ms)

Then

I see "Versions: 2.1.0" 👍 (000ms)

And

I do not see "Current: 2.1.0" 👍 (000ms)

```
Output:

broadcast message
Candidate: grails; Versions: 2.1.0; Current:
```

Scenario: List an installed available Version in use

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" has a version list available 👍 (007ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list grails" 👍 (100ms)

Then

I see "Current: 2.1.0" 👍 (000ms)

And

I see "Versions: 2.1.0" 👍 (000ms)

```
Output:

broadcast message
Candidate: grails; Versions: 2.1.0; Current: 2.1.0
```

Scenario: List installed multiple Versions

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.0.9" is already installed but not default 👍 (000ms)

And

the candidate "grails" has a version list available 👍 (007ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list grails" 👍 (100ms)

Then

I see "Current: 2.1.0" 👍 (000ms)

And

I see "Versions: 2.0.9,2.1.0" 👍 (000ms)

```
Output:

broadcast message
Candidate: grails; Versions: 2.0.9,2.1.0; Current: 2.1.0
```

Scenario: List an installed local version not in use

Given

I have a local candidate "grails" version "2.3-SNAPSHOT" at "/tmp/groovy-core" 👍 (001ms)

And

the candidate "groovy" version "2.3-SNAPSHOT" is already linked to "/tmp/groovy-core" 👍 (001ms)

And

the candidate "groovy" has a version list available 👍 (005ms)

And

the system is bootstrapped 👍 (102ms)

When

I enter "sdk list groovy" 👍 (100ms)

Then

I see "Versions: 2.3-SNAPSHOT" 👍 (000ms)

And

I do not see "Current: 2.3-SNAPSHOT" 👍 (000ms)

```
Output:

broadcast message
Candidate: groovy; Versions: 2.3-SNAPSHOT; Current:
```

Scenario: List an installed local Version in use

Given

I have a local candidate "groovy" version "2.2-SNAPSHOT" at "/tmp/groovy-core" 👍 (001ms)

And

the candidate "groovy" version "2.2-SNAPSHOT" is already linked to "/tmp/groovy-core" 👍 (000ms)

And

the candidate "groovy" version "2.2-SNAPSHOT" is the default 👍 (000ms)

And

the candidate "groovy" has a version list available 👍 (005ms)

And

the system is bootstrapped 👍 (126ms)

When

I enter "sdk list groovy" 👍 (100ms)

Then

I see "Current: 2.2-SNAPSHOT" 👍 (000ms)

And

I see "Versions: 2.2-SNAPSHOT" 👍 (000ms)

```
Output:

broadcast message
Candidate: groovy; Versions: 2.2-SNAPSHOT; Current: 2.2-SNAPSHOT
```

List Candidates

Background

Given

the internet is reachable 👍 (018ms)

And

an initialised environment 👍 (004ms)

Scenario: A List of Available Candidates can be viewed

Given

the system is bootstrapped 👍 (101ms)

And

The candidate list is available 👍 (004ms)

When

I enter "sdk list" 👍 (100ms)

Then

I see "Candidate List" 👍 (000ms)

```
Output:

broadcast message
Candidate List
```

Local Development Versions

Background

Given

the internet is reachable 👍 (016ms)

And

an initialised environment 👍 (003ms)

Scenario: Install a new local development version

Given

the candidate "groovy" version "2.1-SNAPSHOT" is not available for download 👍 (005ms)

And

I have a local candidate "groovy" version "2.1-SNAPSHOT" at "/tmp/groovy-core" 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk install groovy 2.1-SNAPSHOT /tmp/groovy-core" 👍 (100ms)

Then

I see "Linking groovy 2.1-SNAPSHOT to /tmp/groovy-core" 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is linked to "/tmp/groovy-core" 👍 (000ms)

```
Output:

broadcast message
Linking groovy 2.1-SNAPSHOT to /tmp/groovy-core
Done installing!
```

Scenario: Attempt installing a local development version that already exists

Given

the candidate "groovy" version "2.1-SNAPSHOT" is not available for download 👍 (004ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is already linked to "/tmp/groovy-core" 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk install groovy 2.1-SNAPSHOT /tmp/groovy-core" 👍 (100ms)

Then

I see "Stop! groovy 2.1-SNAPSHOT is already installed." 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is linked to "/tmp/groovy-core" 👍 (000ms)

```
Output:

broadcast message

Stop! groovy 2.1-SNAPSHOT is already installed.
```

Scenario: Uninstall a local development version

Given

the candidate "groovy" version "2.1-SNAPSHOT" is already linked to "/tmp/groovy-core" 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall groovy 2.1-SNAPSHOT" 👍 (100ms)

Then

I see "Uninstalling groovy 2.1-SNAPSHOT" 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is not installed 👍 (000ms)

```
Output:

broadcast message

Uninstalling groovy 2.1-SNAPSHOT...
```

Scenario: Attempt uninstalling a local development version that is not installed

Given

the candidate "groovy" version "2.1-SNAPSHOT" is not installed 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall groovy 2.1-SNAPSHOT" 👍 (100ms)

Then

I see "groovy 2.1-SNAPSHOT is not installed." 👍 (000ms)

```
Output:

broadcast message

groovy 2.1-SNAPSHOT is not installed.
```

Scenario: Make the local development version the default for the candidate

Given

the candidate "groovy" version "2.0.6" is already installed and default 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is not available for download 👍 (006ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is already linked to "/tmp/groovy-core" 👍 (001ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default groovy 2.1-SNAPSHOT" 👍 (100ms)

Then

I see "Default groovy version set to 2.1-SNAPSHOT" 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" should be the default 👍 (000ms)

```
Output:

broadcast message

Default groovy version set to 2.1-SNAPSHOT
```

Scenario: Use a local development version

Given

the candidate "groovy" version "2.0.6" is already installed and default 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is not available for download 👍 (005ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" is already linked to "/tmp/groovy-core" 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use groovy 2.1-SNAPSHOT" 👍 (100ms)

Then

I see "Using groovy version 2.1-SNAPSHOT in this shell" 👍 (000ms)

And

the candidate "groovy" version "2.1-SNAPSHOT" should be in use 👍 (100ms)

```
Output:

Groovy Version: 2.1-SNAPSHOT
```

Mnemonics

Background

Given

the internet is reachable 👍 (016ms)

And

an initialised environment 👍 (003ms)

Scenario: Shortcut for listing an uninstalled available Version

Given

I do not have a "grails" candidate installed 👍 (000ms)

And

a "grails" list view is available for consumption 👍 (005ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk l grails" 👍 (100ms)

Then

I see "Available Grails Versions" 👍 (000ms)

```
Output:

broadcast message
Available Grails Versions
```

Scenario: Alternate shortcut for listing uninstalled available Version

Given

I do not have a "grails" candidate installed 👍 (000ms)

And

a "grails" list view is available for consumption 👍 (005ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk ls grails" 👍 (100ms)

Then

I see "Available Grails Versions" 👍 (000ms)

```
Output:

broadcast message
Available Grails Versions
```

Scenario: Shortcut for asking help

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk h" 👍 (100ms)

Then

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Shortcut for displaying current Candidate Version in use

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (001ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk c grails" 👍 (100ms)

Then

I see "Using grails version 1.3.9" 👍 (000ms)

```
Output:

broadcast message
Using grails version 1.3.9
```

Scenario: Shortcut for displaying current Candidate Versions

Given

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk c" 👍 (100ms)

Then

I see "Using:" 👍 (000ms)

And

I see "grails: 2.1.0" 👍 (000ms)

And

I see "groovy: 2.0.5" 👍 (000ms)

```
Output:

broadcast message
Using:
groovy: 2.0.5
grails: 2.1.0
```

Scenario: Shortcut for displaying outdated Candidate Version in use

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the default "grails" candidate is "2.4.4" 👍 (013ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk o grails" 👍 (100ms)

Then

I see "Outdated:" 👍 (000ms)

And

I see "grails (1.3.9 < 2.4.4)" 👍 (000ms)

```
Output:

broadcast message
Outdated:
grails (1.3.9 < 2.4.4)
```

Scenario: Shortcut for displaying outdated Candidate Versions

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the default "grails" candidate is "2.4.4" 👍 (013ms)

And

the candidate "groovy" version "2.0.5" is already installed and default 👍 (001ms)

And

the default "groovy" candidate is "2.4.1" 👍 (013ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk o" 👍 (100ms)

Then

I see "Outdated:" 👍 (000ms)

And

I see "grails (1.3.9 < 2.4.4)" 👍 (000ms)

And

I see "groovy (2.0.5 < 2.4.1)" 👍 (000ms)

```
Output:

broadcast message
Outdated:
groovy (2.0.5 < 2.4.1)
grails (1.3.9 < 2.4.4)
```

Scenario: Shortcut for installing a Candidate Version

Given

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (012ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk i grails 2.1.0" and answer "Y" 👍 (100ms)

Then

I see "Installing: grails 2.1.0" 👍 (000ms)

And

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  91570      0 --:--:-- --:--:-- --:--:--
91570

Installing: grails 2.1.0
Done installing!

Do you want grails 2.1.0 to be set as default? (Y/n):
Setting grails 2.1.0 as default.
```

Scenario: Shortcut for uninstalling a Candidate Version

Given

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk rm groovy 2.0.5" 👍 (100ms)

Then

I see "Uninstalling groovy 2.0.5" 👍 (000ms)

And

the candidate "groovy" version "2.0.5" is not installed 👍 (000ms)

```
Output:

broadcast message

Unselecting groovy 2.0.5...

Uninstalling groovy 2.0.5...
```

Scenario: Shortcut for showing the current Version of sdkman

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk v" 👍 (100ms)

Then

I see "SDKMAN x.y.z" 👍 (000ms)

```
Output:

broadcast message
SDKMAN x.y.z
```

Scenario: Shortcut for using a candidate version that is installed

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is a valid candidate version 👍 (004ms)

And

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the candidate "grails" version "1.3.9" is a valid candidate version 👍 (004ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk u grails 1.3.9" 👍 (100ms)

Then

I see "Using grails version 1.3.9 in this shell." 👍 (000ms)

Then

the candidate "grails" version "1.3.9" should be in use 👍 (100ms)

And

the candidate "grails" version "2.1.0" should be the default 👍 (000ms)

```
Output:

Grails Version: 1.3.9
```

Scenario: Shortcut for defaulting a Candidate Version that is installed and not default

Given

the candidate "groovy" version "2.0.5" is already installed but not default 👍 (000ms)

And

the candidate "groovy" version "2.0.5" is a valid candidate version 👍 (004ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk d groovy 2.0.5" 👍 (100ms)

Then

I see "Default groovy version set to 2.0.5" 👍 (000ms)

And

the candidate "groovy" version "2.0.5" should be the default 👍 (000ms)

```
Output:

broadcast message

Default groovy version set to 2.0.5
```

Scenario: Shortcut for a Broadcast command issued

Given

no prior Broadcast was received 👍 (000ms)

And

a new Broadcast "This is a LIVE Broadcast!" with id "12345" is available 👍 (008ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk b" 👍 (100ms)

Then

I see "This is a LIVE Broadcast!" 👍 (000ms)

```
Output:

This is a LIVE Broadcast!
```

Offline Mode

Scenario: Enter an invalid offline mode

Given

offline mode is disabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk offline grails" 👍 (100ms)

Then

I see "Stop! grails is not a valid offline mode." 👍 (000ms)

```
Output:

broadcast message

Stop! grails is not a valid offline mode.
```

Scenario: Issue Offline command without qualification

Given

offline mode is disabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk offline" 👍 (100ms)

Then

I see "Offline mode enabled." 👍 (000ms)

```
Output:

broadcast message
Offline mode enabled.
```

Scenario: Enable Offline Mode with internet reachable

Given

offline mode is disabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (004ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk offline enable" 👍 (100ms)

Then

I see "Offline mode enabled." 👍 (000ms)

And

I do not see "INTERNET NOT REACHABLE!" 👍 (000ms)

When

I enter "sdk install grails 2.1.0" 👍 (100ms)

Then

I do not see "INTERNET NOT REACHABLE!" 👍 (000ms)

And

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Disable Offline Mode with internet reachable

Given

offline mode is enabled with reachable internet 👍 (013ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (102ms)

When

I enter "sdk offline disable" 👍 (100ms)

Then

I see "Online mode re-enabled!" 👍 (000ms)

When

I enter "sdk install grails 2.1.0" and answer "Y" 👍 (100ms)

Then

I see "Done installing!" 👍 (000ms)

And

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

```
Output:

broadcast message

Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  91679      0 --:--:-- --:--:-- --:--:--
91679

Installing: grails 2.1.0
Done installing!

Do you want grails 2.1.0 to be set as default? (Y/n):
Setting grails 2.1.0 as default.
```

Scenario: Disable Offline Mode with internet unreachable

Given

offline mode is enabled with unreachable internet 👍 (000ms)

And

an initialised environment 👍 (007ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk offline disable" 👍 (100ms)

Then

I see "Online mode re-enabled!" 👍 (000ms)

When

I enter "sdk install grails 2.1.0" 👍 (100ms)

Then

I see "INTERNET NOT REACHABLE!" 👍 (000ms)

And

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Recall a broadcast while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

a prior Broadcast "This is an OLD Broadcast!" with id "12344" was issued 👍 (000ms)

And

I enter "sdk broadcast" 👍 (100ms)

Then

I see "This is an OLD Broadcast!" 👍 (000ms)

```
Output:

This is an OLD Broadcast!
```

Scenario: Determine the sdkman version while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk version" 👍 (100ms)

Then

I see the current sdkman version 👍 (000ms)

```
Output:

SDKMAN x.y.z
```

Scenario: List candidate versions found while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list grails" 👍 (102ms)

Then

I see "Offline: only showing installed grails versions" 👍 (000ms)

```
Output:

------------------------------------------------------------
Offline: only showing installed grails versions
------------------------------------------------------------

   None installed!
------------------------------------------------------------
* - installed
> - currently in use
------------------------------------------------------------
```

Scenario: Use an uninstalled candidate version while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

the candidate "grails" version "1.3.9" is already installed and default 👍 (001ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

an initialised environment 👍 (005ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Set the default to an uninstalled candidate version while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

the candidate "grails" version "1.3.9" is already installed and default 👍 (001ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Install a candidate version that is not installed while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk install grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Uninstall a candidate version while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

the candidate "grails" version "2.1.0" is already installed and default 👍 (001ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall grails 2.1.0" 👍 (100ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

```
Output:


Unselecting grails 2.1.0...

Uninstalling grails 2.1.0...
```

Scenario: Display the current version of a candidate while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (013ms)

And

the candidate "grails" version "2.1.0" is already installed and default 👍 (001ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk current grails" 👍 (100ms)

Then

I see "Using grails version 2.1.0" 👍 (000ms)

```
Output:

Using grails version 2.1.0
```

Scenario: Request help while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (018ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (124ms)

When

I enter "sdk help" 👍 (100ms)

Then

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

```
Output:



Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Attempt self-update while in Offline Mode

Given

offline mode is enabled with reachable internet 👍 (012ms)

And

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk selfupdate" 👍 (100ms)

Then

I see "This command is not available while offline." 👍 (000ms)

```
Output:

This command is not available while offline.
```

Outdated Candidate

Background

Given

the internet is reachable 👍 (016ms)

And

an initialised environment 👍 (003ms)

Scenario: Display outdated candidate version in use when it is outdated

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the default "grails" candidate is "2.4.4" 👍 (013ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk outdated grails" 👍 (100ms)

Then

I see "Outdated:" 👍 (000ms)

And

I see "grails (1.3.9 < 2.4.4)" 👍 (000ms)

```
Output:

broadcast message
Outdated:
grails (1.3.9 < 2.4.4)
```

Scenario: Display outdated candidate version in use when it is not outdated

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (001ms)

And

the default "grails" candidate is "1.3.9" 👍 (014ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk outdated grails" 👍 (100ms)

Then

I see "grails is up-to-date" 👍 (000ms)

```
Output:

broadcast message
grails is up-to-date
```

Scenario: Display outdated candidate version when none is in use

Given

the candidate "grails" does not exist locally 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk outdated grails" 👍 (100ms)

Then

I see "Not using any version of grails" 👍 (000ms)

```
Output:

broadcast message
Not using any version of grails
grails is up-to-date
```

Scenario: Display outdated candidate versions when none is specified and none is in use

Given

the candidate "grails" does not exist locally 👍 (000ms)

And

the system is bootstrapped 👍 (102ms)

When

I enter "sdk outdated" 👍 (100ms)

Then

I see "No candidates are in use" 👍 (000ms)

```
Output:

broadcast message
No candidates are in use
```

Scenario: Display outdated candidate versions when none is specified and one is in use

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (001ms)

And

the default "grails" candidate is "2.4.4" 👍 (015ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk outdated" 👍 (100ms)

Then

I see "Outdated:" 👍 (000ms)

And

I see "grails (1.3.9 < 2.4.4)" 👍 (000ms)

```
Output:

broadcast message
Outdated:
grails (1.3.9 < 2.4.4)
```

Scenario: Display outdated candidate versions when none is specified and multiple are in use

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the default "grails" candidate is "2.4.4" 👍 (016ms)

And

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the default "groovy" candidate is "2.4.1" 👍 (012ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk outdated" 👍 (100ms)

Then

I see "Outdated:" 👍 (000ms)

And

I see "grails (1.3.9 < 2.4.4)" 👍 (000ms)

And

I see "groovy (2.0.5 < 2.4.1)" 👍 (000ms)

```
Output:

broadcast message
Outdated:
groovy (2.0.5 < 2.4.1)
grails (1.3.9 < 2.4.4)
```

Scenario: Display outdated candidate versions when none specified and multiple in use but not outdated

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the default "grails" candidate is "1.3.9" 👍 (012ms)

And

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the default "groovy" candidate is "2.0.5" 👍 (012ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk outdated" 👍 (100ms)

Then

I see "All candidates are up-to-date" 👍 (000ms)

```
Output:

broadcast message
All candidates are up-to-date
```

Path Initialisation

Background

Given

the internet is reachable 👍 (016ms)

And

an initialised environment 👍 (003ms)

Scenario: sdkman is initialised for the first time

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "echo $PATH" 👍 (100ms)

Then

I see a single occurrence of "grails" 👍 (000ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/current/bin:/tmp/sdkman-
test/112ef11b-e2db-4558-a405-3bfcdf1411e4/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

Scenario: sdkman is initialised a subsequent time

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

And

the system is bootstrapped again 👍 (100ms)

And

I enter "echo $PATH" 👍 (100ms)

Then

I see a single occurrence of "grails" 👍 (000ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/current/bin:/tmp/sdkman-
test/112ef11b-e2db-4558-a405-3bfcdf1411e4/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

Scenario: Install a candidate and see it on the PATH

Given

the system is bootstrapped 👍 (101ms)

When

I enter "echo $PATH" 👍 (100ms)

Then

I see no occurrences of "grails" 👍 (000ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

Scenario: Install a candidate and see it on the PATH

And

the candidate "grails" version "2.1.0" is available for download 👍 (013ms)

And

the system is bootstrapped 👍 (101ms)

And

I enter "sdk install grails 2.1.0" and answer "Y" 👍 (100ms)

When

I enter "echo $PATH" 👍 (100ms)

Then

I see a single occurrence of "grails" 👍 (000ms)

```
Output:
/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/current/bin:/tmp/sdkman-
test/112ef11b-e2db-4558-a405-3bfcdf1411e4/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

Scenario: Install multiple candidate versions and see it once on the PATH

Given

the candidate "grails" version "1.3.9" is available for download 👍 (013ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (011ms)

And

the system is bootstrapped 👍 (101ms)

And

I enter "sdk install grails 1.3.9" and answer "Y" 👍 (100ms)

And

I enter "sdk install grails 2.1.0" and answer "Y" 👍 (100ms)

When

I enter "echo $PATH" 👍 (100ms)

Then

I see a single occurrence of "grails" 👍 (000ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/current/bin:/tmp/sdkman-
test/112ef11b-e2db-4558-a405-3bfcdf1411e4/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

Self Update

Background

Given

the internet is reachable 👍 (015ms)

Scenario: Force a Selfupdate

Given

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk selfupdate force" 👍 (100ms)

Then

I do not see "A new version of SDKMAN is available..." 👍 (000ms)

And

I do not see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I do not see "Not upgrading today..." 👍 (000ms)

And

I see "Updating SDKMAN..." 👍 (000ms)

And

I see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:



Updating SDKMAN...
Purge existing scripts...
Refresh directory structure...
Prime the config file...
Extract script archive...
Unziping scripts to: /tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/tmp/stage
Moving sdkman-init file to bin folder...
Move remaining module scripts to src folder: /tmp/sdkman-test/112ef11b-e2db-
4558-a405-3bfcdf1411e4/.sdkman/src
Clean up staging folder...



Successfully upgraded SDKMAN.

Please open a new terminal, or run the following in the existing one:

    source "/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/bin/sdkman-init.sh"
```

Scenario: Selfupdate when out of date

Given

an outdated initialised environment 👍 (004ms)

And

the system is bootstrapped 👍 (103ms)

When

I enter "sdk selfupdate" 👍 (100ms)

Then

I do not see "A new version of SDKMAN is available..." 👍 (000ms)

And

I do not see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I do not see "Not upgrading today..." 👍 (000ms)

And

I see "Updating SDKMAN..." 👍 (000ms)

And

I see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:



Updating SDKMAN...
Purge existing scripts...
Refresh directory structure...
Prime the config file...
Extract script archive...
Unziping scripts to: /tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/tmp/stage
Moving sdkman-init file to bin folder...
Move remaining module scripts to src folder: /tmp/sdkman-test/112ef11b-e2db-
4558-a405-3bfcdf1411e4/.sdkman/src
Clean up staging folder...



Successfully upgraded SDKMAN.

Please open a new terminal, or run the following in the existing one:

    source "/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/bin/sdkman-init.sh"
```

Scenario: Agree to a suggested Selfupdate

Given

an outdated initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk help" and answer "Y" 👍 (100ms)

Then

I see "A new version of SDKMAN is available..." 👍 (000ms)

And

I see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I see "Successfully upgraded SDKMAN." 👍 (000ms)

And

I do not see "Not upgrading today..." 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>
   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy



ATTENTION: A new version of SDKMAN is available...

The current version is x.y.z, but you have x.y.y.

Would you like to upgrade now? (Y/n)
Updating SDKMAN...
Purge existing scripts...
Refresh directory structure...
Prime the config file...
Extract script archive...
Unziping scripts to: /tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/tmp/stage
Moving sdkman-init file to bin folder...
Move remaining module scripts to src folder: /tmp/sdkman-test/112ef11b-e2db-
4558-a405-3bfcdf1411e4/.sdkman/src
Clean up staging folder...


Successfully upgraded SDKMAN.

Please open a new terminal, or run the following in the existing one:

    source "/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/bin/sdkman-init.sh"
```

Scenario: Do not agree to a suggested Selfupdate

Given

an outdated initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk help" and answer "N" 👍 (100ms)

Then

I see "A new version of SDKMAN is available..." 👍 (000ms)

And

I see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I see "Not upgrading today..." 👍 (000ms)

And

I do not see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy



ATTENTION: A new version of SDKMAN is available...

The current version is x.y.z, but you have x.y.y.

Would you like to upgrade now? (Y/n)Not upgrading today...
```

Scenario: Automatically Selfupdate

Given

an outdated initialised environment 👍 (003ms)

And

the configuration file has been primed with "sdkman_auto_selfupdate=true" 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk help" 👍 (100ms)

Then

I see "A new version of SDKMAN is available..." 👍 (000ms)

And

I do not see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I do not see "Not upgrading today..." 👍 (000ms)

And

I see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy



ATTENTION: A new version of SDKMAN is available...

The current version is x.y.z, but you have x.y.y.



Updating SDKMAN...
Purge existing scripts...
Refresh directory structure...
Prime the config file...
Extract script archive...
Unziping scripts to: /tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/tmp/stage
Moving sdkman-init file to bin folder...
Move remaining module scripts to src folder: /tmp/sdkman-test/112ef11b-e2db-
4558-a405-3bfcdf1411e4/.sdkman/src
Clean up staging folder...



Successfully upgraded SDKMAN.

Please open a new terminal, or run the following in the existing one:

    source "/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/bin/sdkman-init.sh"
```

Scenario: Do not automatically Selfupdate

Given

an outdated initialised environment 👍 (003ms)

And

the configuration file has been primed with "sdkman_auto_selfupdate=false" 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk help" and answer "n" 👍 (100ms)

Then

I see "A new version of SDKMAN is available..." 👍 (000ms)

And

I see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I see "Not upgrading today..." 👍 (000ms)

And

I do not see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:

broadcast message

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy



ATTENTION: A new version of SDKMAN is available...

The current version is x.y.z, but you have x.y.y.

Would you like to upgrade now? (Y/n)Not upgrading today...
```

Scenario: Bother the user with Upgrade message once a day

Given

an outdated initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk help" and answer "N" 👍 (100ms)

Then

I see "A new version of SDKMAN is available..." 👍 (000ms)

And

I see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I see "Not upgrading today..." 👍 (000ms)

And

I enter "sdk help" 👍 (100ms)

Then

I do not see "A new version of SDKMAN is available..." 👍 (000ms)

And

I do not see "Would you like to upgrade now? (Y/n)" 👍 (000ms)

And

I do not see "Not upgrading now..." 👍 (000ms)

And

I do not see "Successfully upgraded SDKMAN." 👍 (000ms)

```
Output:



Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Selfupdate when not out of date

Given

an initialised environment 👍 (003ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk selfupdate" 👍 (100ms)

Then

I see "No update available at this time." 👍 (000ms)

```
Output:

No update available at this time.
```

Service Unavailable

Background

Given

the internet is not reachable 👍 (000ms)

And

an initialised environment 👍 (003ms)

Scenario: List candidate versions found while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list grails" 👍 (100ms)

Then

I see "Offline: only showing installed grails versions" 👍 (000ms)

And

I see "> 2.1.0" 👍 (000ms)

And

I see "* 1.3.9" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


------------------------------------------------------------
Offline: only showing installed grails versions
------------------------------------------------------------

 * 1.3.9
 > 2.1.0
------------------------------------------------------------
* - installed
> - currently in use
------------------------------------------------------------
```

Scenario: List candidate versions not found while Offline

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list grails" 👍 (100ms)

Then

I see "Offline: only showing installed grails versions" 👍 (000ms)

And

I see "None installed!" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

------------------------------------------------------------
Offline: only showing installed grails versions
------------------------------------------------------------

   None installed!
------------------------------------------------------------
* - installed
> - currently in use
------------------------------------------------------------
```

Scenario: List Available Candidates while Offline

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk list" 👍 (100ms)

Then

I see "This command is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

This command is not available while offline.
```

Scenario: Use the default candidate version while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails" 👍 (100ms)

Then

I see "Using grails version 2.1.0 in this shell." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


Using grails version 2.1.0 in this shell.
```

Scenario: Use the default candidate version when non selected while Offline

Given

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails" 👍 (100ms)

Then

I see "This command is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

This command is not available while offline.
```

Scenario: Use an uninstalled candidate version while Offline

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Use an invalid candidate version while Offline

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 9.9.9" 👍 (100ms)

Then

I see "Stop! grails 9.9.9 is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Stop! grails 9.9.9 is not available while offline.
```

Scenario: Use an installed candidate version while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 1.3.9" 👍 (100ms)

Then

I see "Using grails version 1.3.9 in this shell." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


Using grails version 1.3.9 in this shell.
```

Scenario: Set the default to an uninstalled candidate version while Offline

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Set the default to an invalid candidate version while Offline

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (102ms)

When

I enter "sdk default grails 999" 👍 (100ms)

Then

I see "Stop! grails 999 is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Stop! grails 999 is not available while offline.
```

Scenario: Set the default to an installed candidate version while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "1.3.9" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk default grails 1.3.9" 👍 (100ms)

Then

I see "Default grails version set to 1.3.9" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


Default grails version set to 1.3.9
```

Scenario: Install a candidate version that is not installed while Offline

Given

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk install grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Stop! grails 2.1.0 is not available while offline.
```

Scenario: Install a candidate version that is already installed while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk install grails 2.1.0" 👍 (100ms)

Then

I see "Stop! grails 2.1.0 is already installed." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


Stop! grails 2.1.0 is already installed.
```

Scenario: Uninstall a candidate version while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall grails 2.1.0" 👍 (100ms)

Then

I see "Unselecting grails 2.1.0..." 👍 (000ms)

And

I see "Uninstalling grails 2.1.0..." 👍 (000ms)

And

the candidate "grails" version "2.1.0" is not in use 👍 (000ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


Unselecting grails 2.1.0...

Uninstalling grails 2.1.0...
```

Scenario: Uninstall a candidate version that is not installed while Offline

Given

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall grails 2.1.0" 👍 (100ms)

Then

I see "grails 2.1.0 is not installed." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================


grails 2.1.0 is not installed.
```

Scenario: Display the current version of a candidate while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk current grails" 👍 (100ms)

Then

I see "Using grails version 2.1.0" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Using grails version 2.1.0
```

Scenario: Display the current version of all candidates while Offline

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "groovy" version "2.0.5" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk current" 👍 (100ms)

Then

I see "Using:" 👍 (000ms)

And

I see "grails: 2.1.0" 👍 (000ms)

And

I see "groovy: 2.0.5" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

Using:
groovy: 2.0.5
grails: 2.1.0
```

Scenario: Determine the sdkman version when Offline

Given

the system is bootstrapped 👍 (102ms)

When

I enter "sdk version" 👍 (100ms)

Then

I see the current sdkman version 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

SDKMAN x.y.z
```

Scenario: Recall a broadcast while Offline

Given

a prior Broadcast "This is an OLD Broadcast!" with id "12344" was issued 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk broadcast" 👍 (100ms)

Then

I see "This is an OLD Broadcast!" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

This is an OLD Broadcast!
```

Scenario: Request help while Offline

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk help" 👍 (100ms)

Then

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================



Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Attempt self-update while Offline

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk selfupdate" 👍 (100ms)

Then

I see "This command is not available while offline." 👍 (000ms)

```
Output:

==== INTERNET NOT REACHABLE! ===============================

 Some functionality is disabled or only partially available.
 If this persists, please enable the offline mode:

   $ sdk offline

============================================================

This command is not available while offline.
```

Uninstall Candidate

Background

Given

the internet is reachable 👍 (016ms)

And

an initialised environment 👍 (003ms)

Scenario: Uninstall an installed Candidate Version not in use

Given

the candidate "grails" version "2.1.0" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (102ms)

When

I enter "sdk uninstall grails 2.1.0" 👍 (100ms)

Then

I do not see "Unselecting grails 2.1.0" 👍 (000ms)

Then

I see "Uninstalling grails 2.1.0" 👍 (000ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

```
Output:

broadcast message

Uninstalling grails 2.1.0...
```

Scenario: Uninstall a Candidate Version in use

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the system is bootstrapped 👍 (103ms)

When

I enter "sdk uninstall grails 2.1.0" 👍 (100ms)

Then

I see "Unselecting grails 2.1.0" 👍 (000ms)

And

I see "Uninstalling grails 2.1.0" 👍 (000ms)

And

the candidate "grails" version "2.1.0" is not installed 👍 (000ms)

And

the candidate "grails" is no longer selected 👍 (000ms)

```
Output:

broadcast message

Unselecting grails 2.1.0...

Uninstalling grails 2.1.0...
```

Scenario: Attempt uninstalling a Candidate Version that is not installed

Given

the candidate "grails" version "1.3.9" is not installed 👍 (000ms)

And

the system is bootstrapped 👍 (102ms)

When

I enter "sdk uninstall grails 1.3.9" 👍 (100ms)

Then

I see "grails 1.3.9 is not installed." 👍 (000ms)

```
Output:

broadcast message

grails 1.3.9 is not installed.
```

Scenario: Attempt uninstalling with no Candidate specified

Given

the system is bootstrapped 👍 (103ms)

When

I enter "sdk uninstall" 👍 (100ms)

Then

I see "No candidate provided." 👍 (000ms)

```
Output:

broadcast message

No candidate provided.

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Attempt uninstalling with an invalid Candidate specified

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall groffle" 👍 (100ms)

Then

I see "Stop! groffle is not a valid candidate." 👍 (000ms)

```
Output:

broadcast message

Stop! groffle is not a valid candidate.
```

Scenario: Attempt uninstalling without a version provided

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk uninstall grails" 👍 (100ms)

Then

I see "No candidate version provided." 👍 (000ms)

```
Output:

broadcast message

No candidate version provided.

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Use Version

Background

Given

the internet is reachable 👍 (021ms)

And

an initialised environment 👍 (005ms)

Scenario: Use without providing a Candidate

Given

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use" 👍 (100ms)

Then

I see "Usage: sdk <command> [candidate] [version]" 👍 (000ms)

```
Output:

broadcast message

No candidate provided.

Usage: sdk <command> [candidate] [version]
       sdk offline <enable|disable>

   commands:
       install   or i    <candidate> [version]
       uninstall or rm   <candidate> <version>
       list      or ls   [candidate]
       use       or u    <candidate> [version]
       default   or d    <candidate> [version]
       current   or c    [candidate]
       outdated  or o    [candidate]
       version   or v
       broadcast or b
       help      or h
       offline           [enable|disable]
       selfupdate        [force]
       flush             <candidates|broadcast|archives|temp>

   candidate  :  the SDK to install: groovy, scala, grails, akka, etc.
                 use list command for comprehensive list of candidates
                 eg: $ sdk list

   version    :  where optional, defaults to latest stable if not provided
                 eg: $ sdk install groovy
```

Scenario: Use a candidate version that is installed

Given

the candidate "grails" version "2.1.0" is already installed and default 👍 (000ms)

And

the candidate "grails" version "1.3.9" is a valid candidate version 👍 (004ms)

And

the candidate "grails" version "1.3.9" is already installed but not default 👍 (002ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 1.3.9" 👍 (100ms)

Then

I see "Using grails version 1.3.9 in this shell." 👍 (000ms)

Then

the candidate "grails" version "1.3.9" should be in use 👍 (100ms)

And

the candidate "grails" version "2.1.0" should be the default 👍 (000ms)

```
Output:

Grails Version: 1.3.9
```

Scenario: Use a candidate version that is not installed

Given

the candidate "grails" version "1.3.9" is available for download 👍 (015ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 1.3.9" and answer "Y" 👍 (100ms)

Then

I see "Using grails version 1.3.9 in this shell." 👍 (000ms)

And

the candidate "grails" version "1.3.9" should be in use 👍 (100ms)

```
Output:

Grails version: 1.3.9
```

Scenario: Use a candidate version that is automatically installed

Given

I have configured "sdkman_auto_answer" to "true" 👍 (000ms)

And

the candidate "grails" version "1.3.9" is available for download 👍 (017ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 1.3.9" 👍 (100ms)

Then

I see "Stop! grails 1.3.9 is not installed." 👍 (000ms)

Then

I see "Using grails version 1.3.9 in this shell." 👍 (000ms)

And

the candidate "grails" version "1.3.9" should be in use 👍 (100ms)

```
Output:

Grails version: 1.3.9
```

Scenario: Use a candidate version that does not exist

Given

the candidate "groovy" version "1.9.9" is not available for download 👍 (005ms)

And

the system is bootstrapped 👍 (104ms)

When

I enter "sdk use groovy 1.9.9" 👍 (100ms)

Then

I see "Stop! 1.9.9 is not a valid groovy version." 👍 (000ms)

```
Output:

broadcast message

Stop! 1.9.9 is not a valid groovy version.
```

Scenario: Use a candidate version that only exists locally

Given

the candidate "grails" version "2.0.0.M1" is not available for download 👍 (004ms)

And

the candidate "grails" version "2.0.0.M1" is already installed but not default 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 2.0.0.M1" 👍 (100ms)

Then

I see "Using grails version 2.0.0.M1 in this shell." 👍 (000ms)

```
Output:

broadcast message
Setting grails version 2.0.0.M1 as default.

Using grails version 2.0.0.M1 in this shell.
```

Scenario: Use an uninstalled candidate version of an uninstalled candidate and it becomes default

Given

the candidate "grails" version "1.3.9" is available for download 👍 (011ms)

And

the candidate "grails" does not exist locally 👍 (000ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 1.3.9" and answer "Y" 👍 (100ms)

Then

I see "Setting grails version 1.3.9 as default." 👍 (000ms)

And

I see "Using grails version 1.3.9 in this shell." 👍 (000ms)

And

the candidate "grails" version "1.3.9" is installed 👍 (000ms)

And

the candidate "grails" version "1.3.9" should be the default 👍 (000ms)

```
Output:

broadcast message

Stop! grails 1.3.9 is not installed.
Do you want to install it now? (Y/n):
Downloading: grails 1.3.9

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  93517      0 --:--:-- --:--:-- --:--:--
93517

Installing: grails 1.3.9
Done installing!

Setting grails version 1.3.9 as default.

Using grails version 1.3.9 in this shell.
```

Scenario: Use an uninstalled candidate version of an installed candidate and it does not become default

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (013ms)

And

the system is bootstrapped 👍 (101ms)

When

I enter "sdk use grails 2.1.0" and answer "Y" 👍 (100ms)

Then

I do not see "Setting grails version 1.3.9 as default." 👍 (000ms)

And

I see "Using grails version 2.1.0 in this shell." 👍 (000ms)

And

the candidate "grails" version "2.1.0" is installed 👍 (000ms)

And

the candidate "grails" version "1.3.9" should be the default 👍 (000ms)

```
Output:

broadcast message

Stop! grails 2.1.0 is not installed.
Do you want to install it now? (Y/n):
Downloading: grails 2.1.0

  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                                 Dload  Upload   Total   Spent    Left
Speed
0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--
0
100   541  100   541    0     0  92478      0 --:--:-- --:--:-- --:--:--
92478

Installing: grails 2.1.0
Done installing!


Using grails version 2.1.0 in this shell.
```

Scenario: Use an installed version of an installed candidate updates the candidate _HOME variable

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is already installed but not default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (014ms)

And

the system is bootstrapped 👍 (102ms)

And

the "GRAILS_HOME" variable contains "grails/current" 👍 (100ms)

When

I enter "sdk use grails 2.1.0" 👍 (100ms)

And

I see "Using grails version 2.1.0 in this shell." 👍 (000ms)

Then

the "GRAILS_HOME" variable contains "grails/2.1.0" 👍 (100ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/2.1.0
```

Scenario: Use an uninstalled version of an uninstalled candidate updates the candidate _HOME variable

Given

the candidate "grails" does not exist locally 👍 (000ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (012ms)

And

the system is bootstrapped 👍 (101ms)

And

the "GRAILS_HOME" variable is not set 👍 (100ms)

When

I enter "sdk use grails 2.1.0" and answer "Y" 👍 (100ms)

Then

the "GRAILS_HOME" variable contains "grails/2.1.0" 👍 (100ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/2.1.0
```

Scenario: Use an uninstalled version of an installed candidate updates the candidate _HOME variable

Given

the candidate "grails" version "1.3.9" is already installed and default 👍 (000ms)

And

the candidate "grails" version "2.1.0" is available for download 👍 (011ms)

And

the system is bootstrapped 👍 (101ms)

And

the "GRAILS_HOME" variable contains "grails/current" 👍 (100ms)

When

I enter "sdk use grails 2.1.0" and answer "Y" 👍 (100ms)

Then

the "GRAILS_HOME" variable contains "grails/2.1.0" 👍 (100ms)

```
Output:

/tmp/sdkman-test/112ef11b-e2db-4558-a405-
3bfcdf1411e4/.sdkman/candidates/grails/2.1.0
```

Version

Background

Given

the internet is reachable 👍 (014ms)

And

an initialised environment 👍 (002ms)

And

the system is bootstrapped 👍 (101ms)

Scenario: Show the current version of sdkman

When

I enter "sdk version" 👍 (100ms)

Then

I see "SDKMAN x.y.z" 👍 (000ms)

```
Output:

broadcast message
SDKMAN x.y.z
```