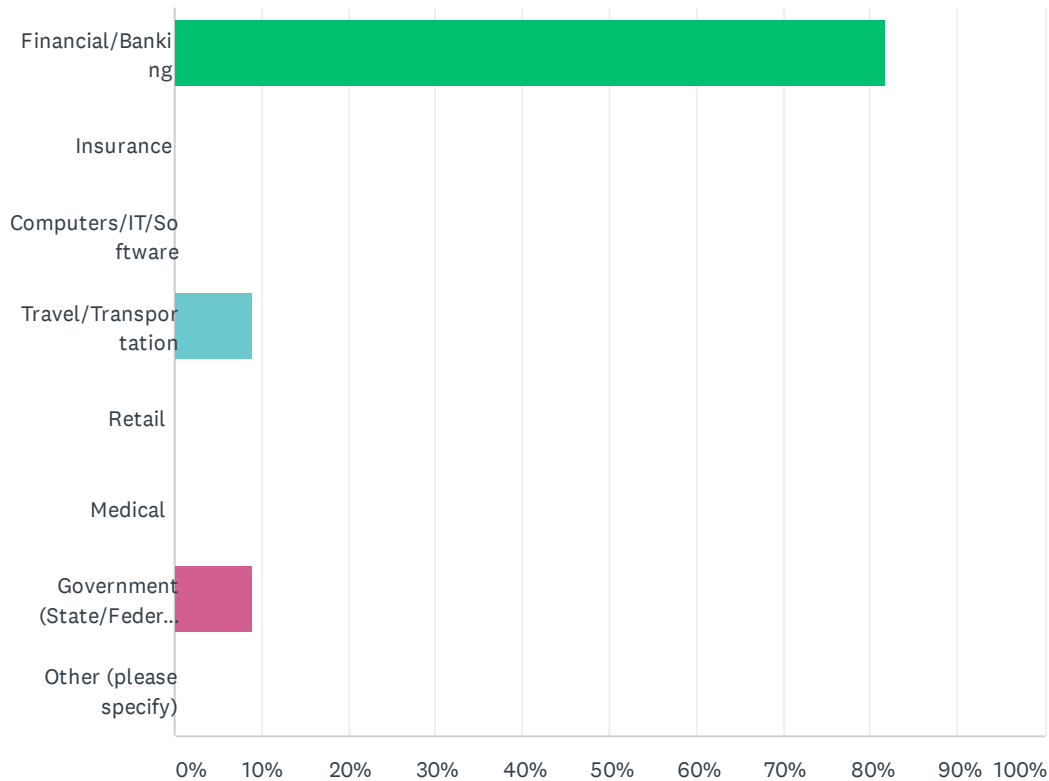


Q2 Which Industry do you represent - check one:

Answered: 11 Skipped: 0

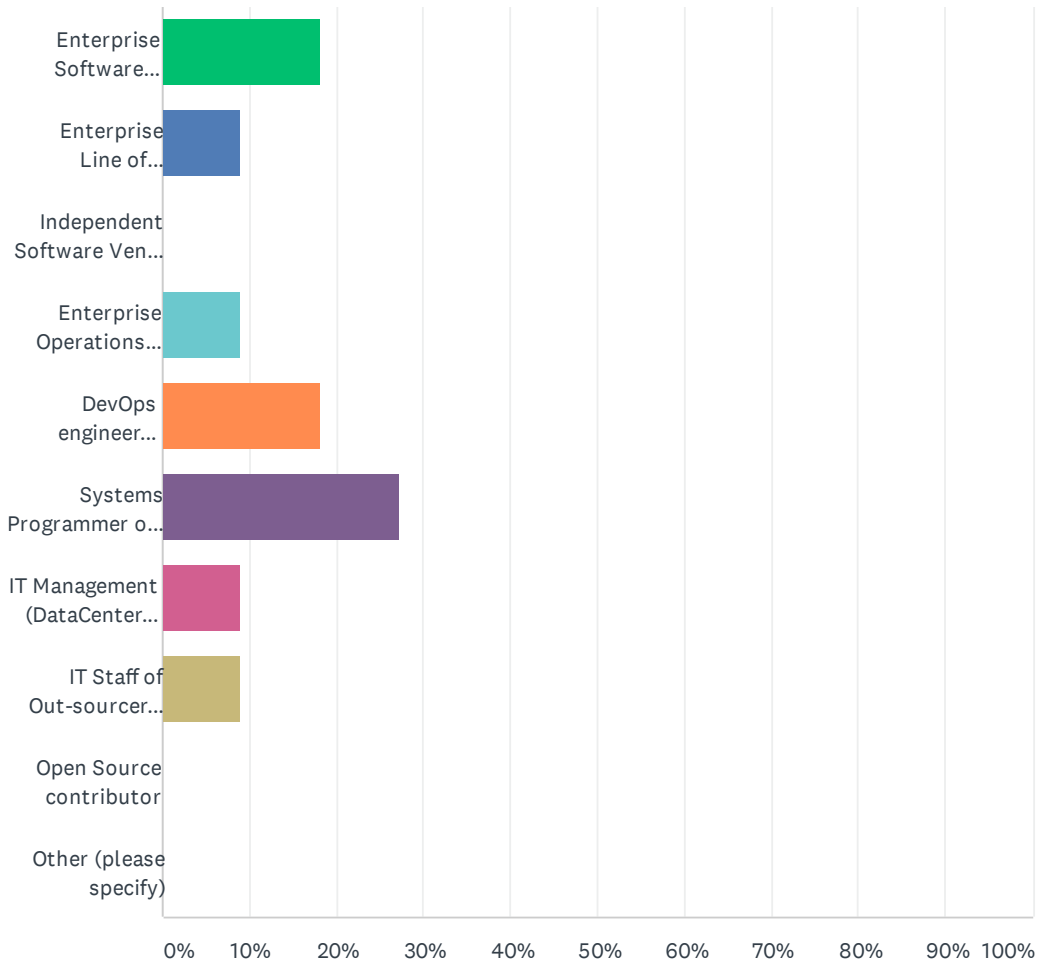


ANSWER CHOICES	RESPONSES	
Financial/Banking	81.82%	9
Insurance	0.00%	0
Computers/IT/Software	0.00%	0
Travel/Transportation	9.09%	1
Retail	0.00%	0
Medical	0.00%	0
Government (State/Federal/City)	9.09%	1
Other (please specify)	0.00%	0
TOTAL		11

Q3 What is your role? (select one)

Answered: 11 Skipped: 0

Feedback on Zowe Development Directions for 2H 2020

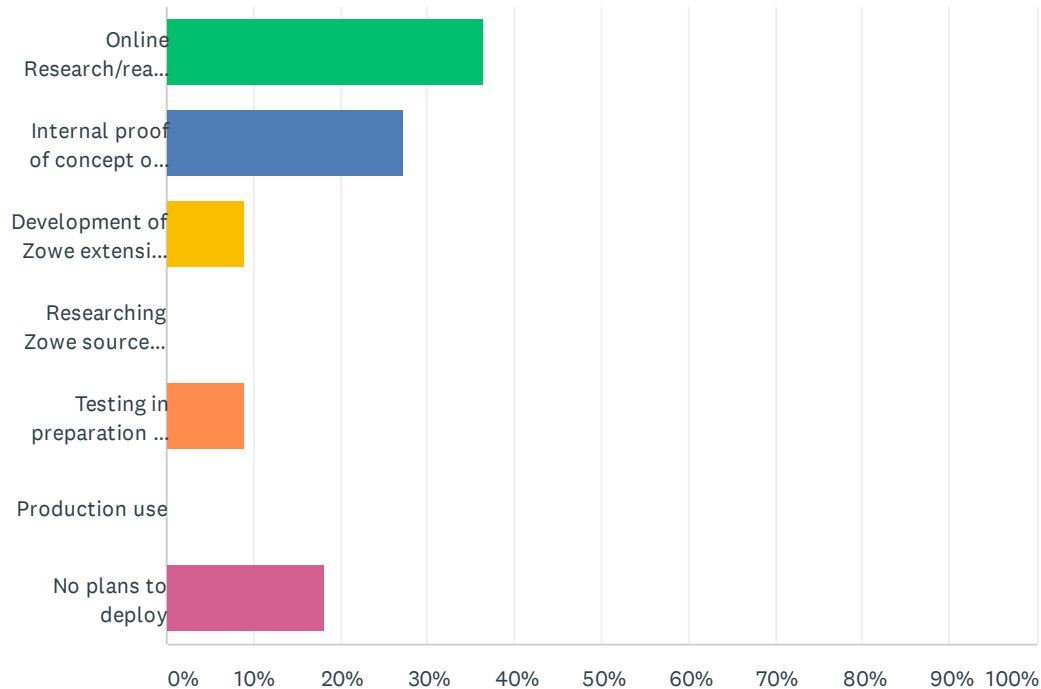


ANSWER CHOICES	RESPONSES	
Enterprise Software Developer	18.18%	2
Enterprise Line of Business Manger responsible for products and applications	9.09%	1
Independent Software Vendor including (Broadcom, IBM, Rocket, etc. Employee) building software products for sale	0.00%	0
Enterprise Operations staff running IT systems	9.09%	1
DevOps engineer dealing with build/test pipelines	18.18%	2
Systems Programmer of operating systems and hardware environments	27.27%	3
IT Management (DataCenter Manager, Technical team manager, Development management, etc.)	9.09%	1
IT Staff of Out-sourcer (managing other firms IT environments)	9.09%	1
Open Source contributor	0.00%	0
Other (please specify)	0.00%	0
TOTAL		11

Q4 What stage of deploying Zowe are you?

Answered: 11 Skipped: 0

Feedback on Zowe Development Directions for 2H 2020

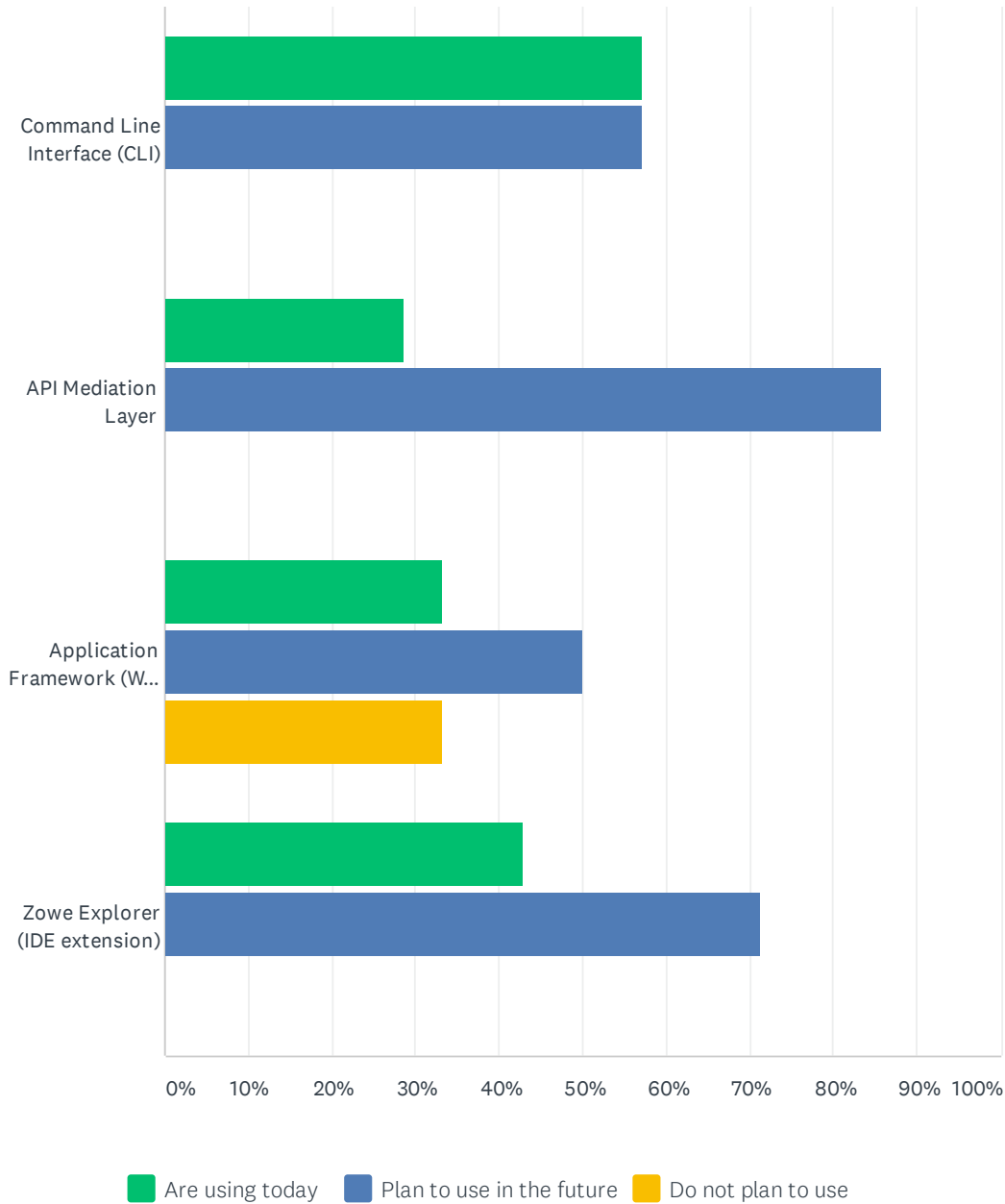


ANSWER CHOICES	RESPONSES	
Online Research/reading	36.36%	4
Internal proof of concept or pilot	27.27%	3
Development of Zowe extensions (REST APIs, plug-ins or web apps)	9.09%	1
Researching Zowe source code for possible use or contribution	0.00%	0
Testing in preparation for production use	9.09%	1
Production use	0.00%	0
No plans to deploy	18.18%	2
TOTAL		11

Q5 What Zowe Components are you using today, plan to use or don't think you will ever use?

Answered: 7 Skipped: 4

Feedback on Zowe Development Directions for 2H 2020

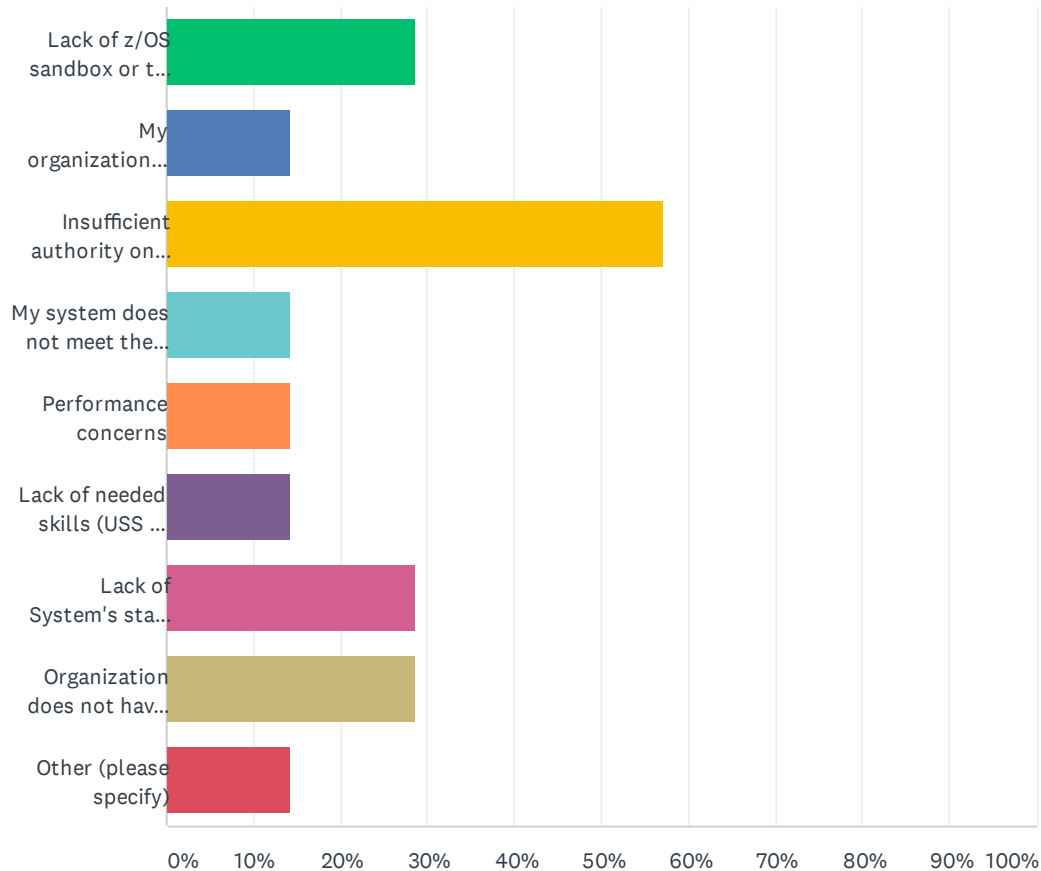


	ARE USING TODAY	PLAN TO USE IN THE FUTURE	DO NOT PLAN TO USE	TOTAL RESPONDENTS
Command Line Interface (CLI)	57.14% 4	57.14% 4	0.00% 0	7
API Mediation Layer	28.57% 2	85.71% 6	0.00% 0	7
Application Framework (Web UI)	33.33% 2	50.00% 3	33.33% 2	6
Zowe Explorer (IDE extension)	42.86% 3	71.43% 5	0.00% 0	7

Q6 What challenges have you had with installing and configuring Zowe?

Answered: 7 Skipped: 4

Feedback on Zowe Development Directions for 2H 2020

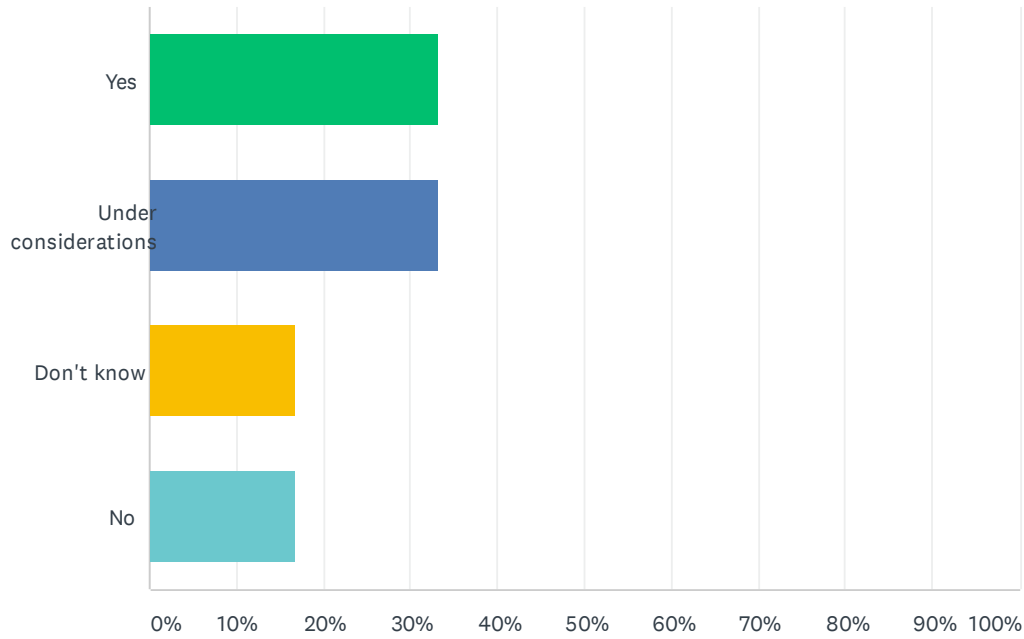


ANSWER CHOICES	RESPONSES	
Lack of z/OS sandbox or test environment	28.57%	2
My organization security concerns of open source	14.29%	1
Insufficient authority on system to install and configure Zowe (waiting on others)	57.14%	4
My system does not meet the pre-reqs for Zowe	14.29%	1
Performance concerns	14.29%	1
Lack of needed skills (USS on z/OS, Node on z/OS, SMP/E, etc.)	14.29%	1
Lack of System's staff able to work on install/configure of Zowe	28.57%	2
Organization does not have time	28.57%	2
Other (please specify)	14.29%	1
Total Respondents: 7		

Q7 Zowe API ML is considering adding support for client certificates, do you have an existing infrastructure that requires client certificates (x.509) for authentication?

Answered: 6 Skipped: 5

Feedback on Zowe Development Directions for 2H 2020

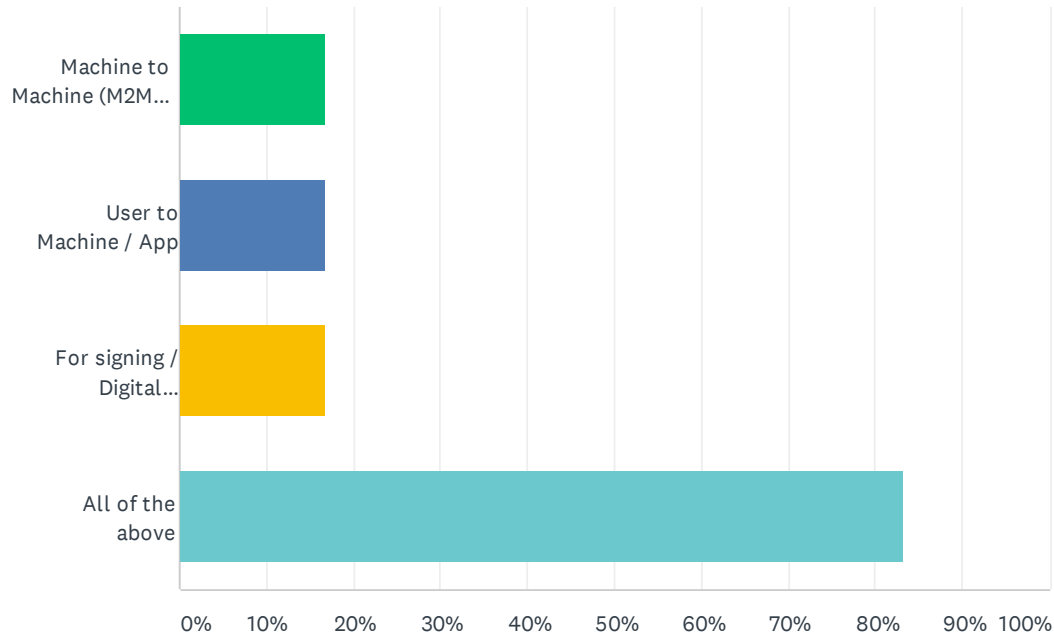


ANSWER CHOICES	RESPONSES	
Yes	33.33%	2
Under considerations	33.33%	2
Don't know	16.67%	1
No	16.67%	1
TOTAL		6

Q8 What are the most common ways for you to use the client certificate (x.509) as an authentication method?

Answered: 6 Skipped: 5

Feedback on Zowe Development Directions for 2H 2020

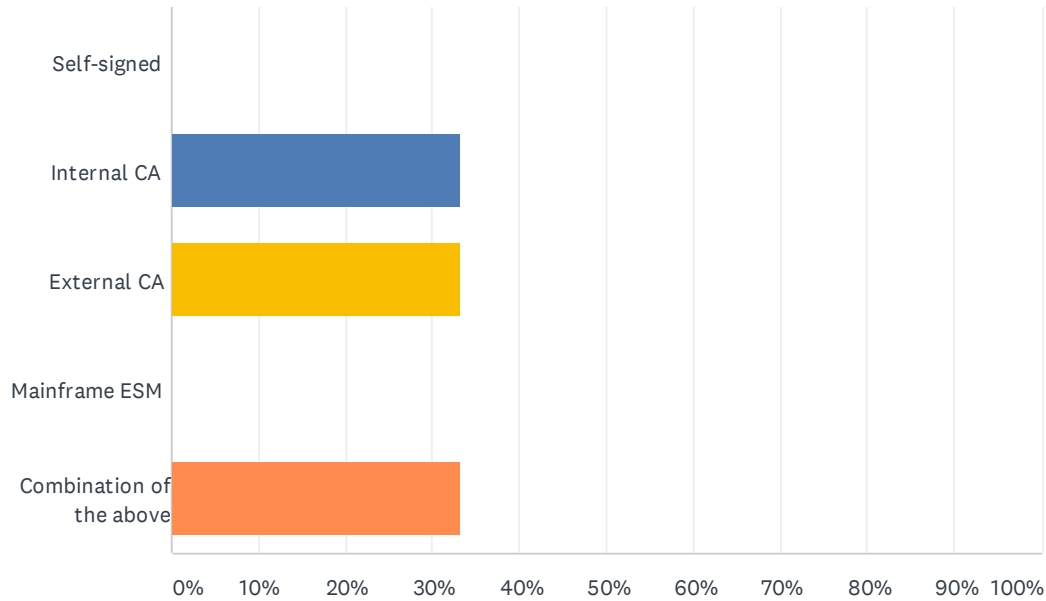


ANSWER CHOICES	RESPONSES	
Machine to Machine (M2M) / App to App	16.67%	1
User to Machine / App	16.67%	1
For signing / Digital Signature	16.67%	1
All of the above	83.33%	5
Total Respondents: 6		

Q9 Which type of Certificate Authority (CA) do you use to generate client certificates (x.509)?

Answered: 6 Skipped: 5

Feedback on Zowe Development Directions for 2H 2020

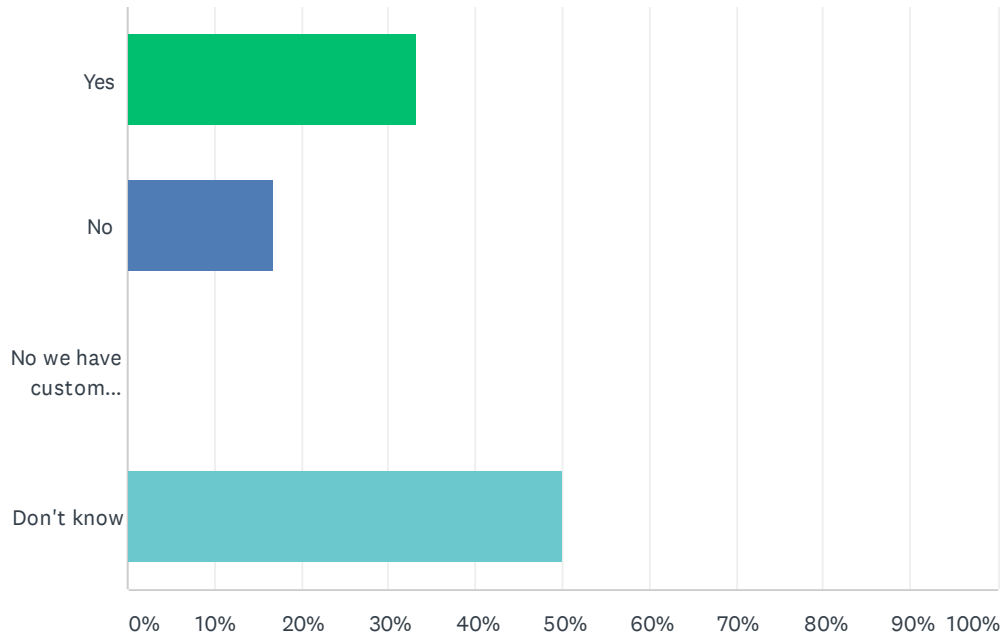


ANSWER CHOICES	RESPONSES	
Self-signed	0.00%	0
Internal CA	33.33%	2
External CA	33.33%	2
Mainframe ESM	0.00%	0
Combination of the above	33.33%	2
TOTAL		6

Q10 Do you want Zowe API Mediation Layer to help manage the client certificate lifecycle? (Ability to control the update when the certificate expires)

Answered: 6 Skipped: 5

Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	33.33%	2
No	16.67%	1
No we have custom implementation	0.00%	0
Don't know	50.00%	3
TOTAL		6

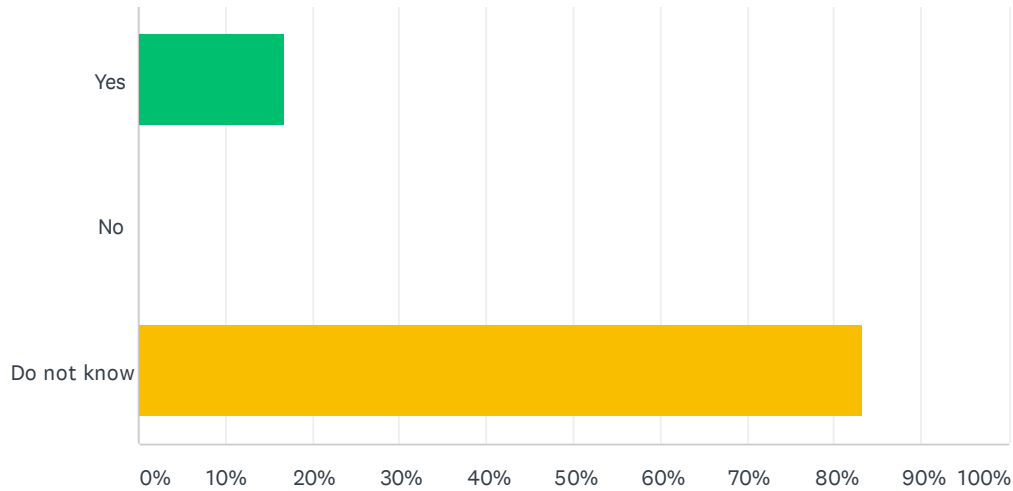
Q11 What types of “workstation tools” / “client applications” at your site you see benefiting from being able to authenticate to the Zowe API ecosystem via API Mediation Layer using client certificates (x.509) ?

Answered: 4 Skipped: 7

Q12 Do you plan to use Zowe Command Line Interface (CLI) with client certificates (x.509)

Answered: 6 Skipped: 5

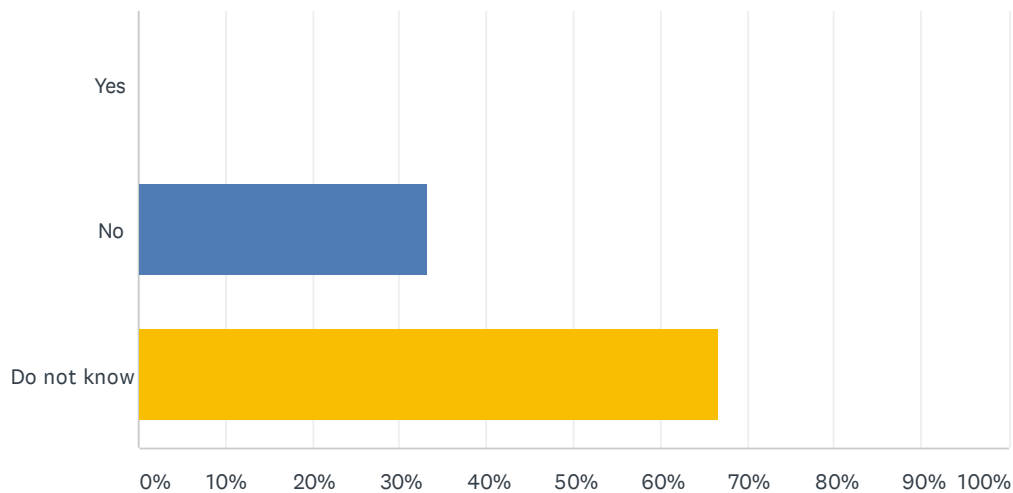
Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	16.67%	1
No	0.00%	0
Do not know	83.33%	5
TOTAL		6

Q13 Do you use z/OSMF with client certificates (x.509) ?

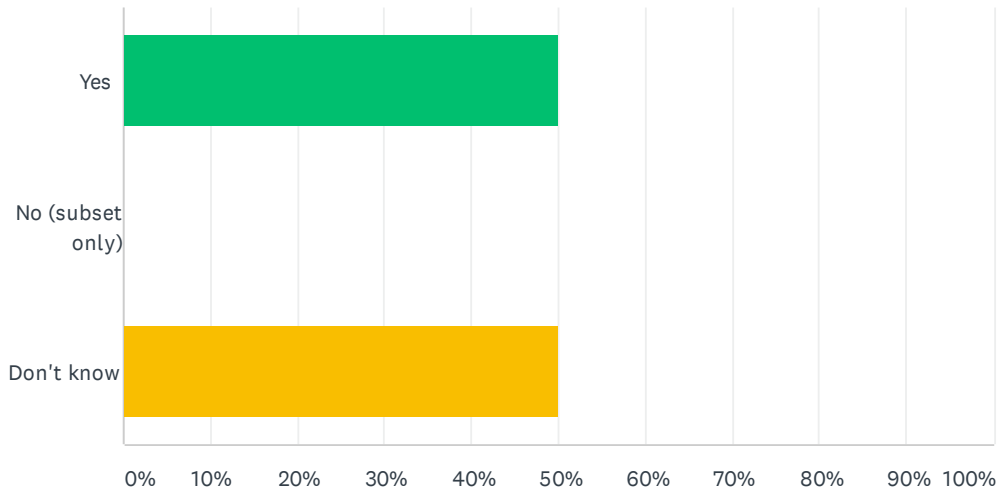
Answered: 6 Skipped: 5



ANSWER CHOICES	RESPONSES	
Yes	0.00%	0
No	33.33%	2
Do not know	66.67%	4
TOTAL		6

Q14 IF Zowe API Mediation Layer would support client certificates (x.509) as an authentication method, would you prefer a single client certificate to be used to access all the Zowe z/OS Services APIs?

Answered: 6 Skipped: 5

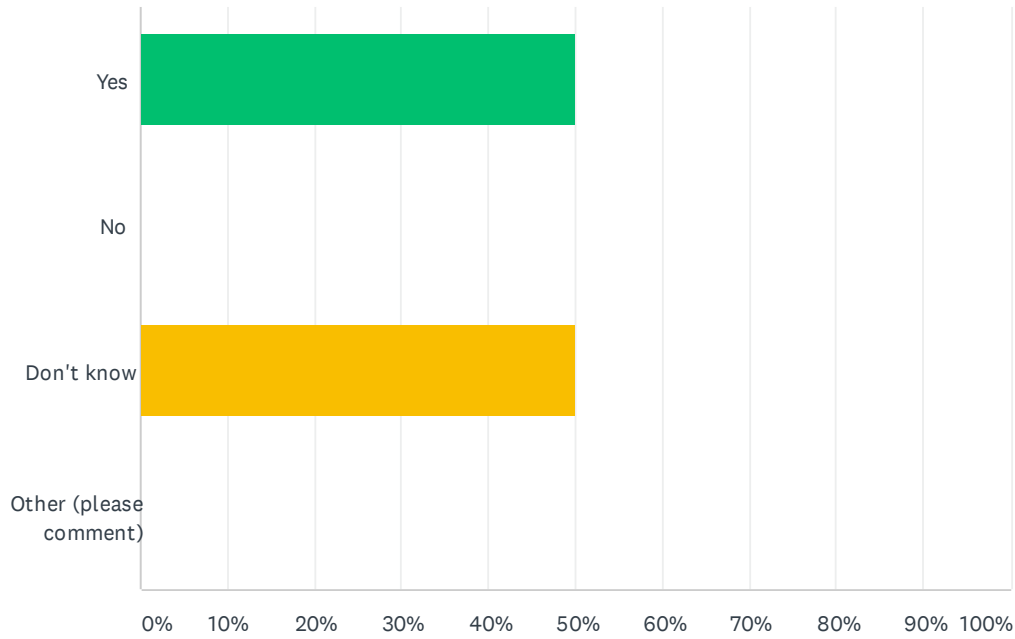


ANSWER CHOICES	RESPONSES	
Yes	50.00%	3
No (subset only)	0.00%	0
Don't know	50.00%	3
TOTAL		6

Q15 Do you see the benefit in enabling Zowe API Mediation Layer to accept client certificates (x.509) as another authentication mechanism in general?

Answered: 6 Skipped: 5

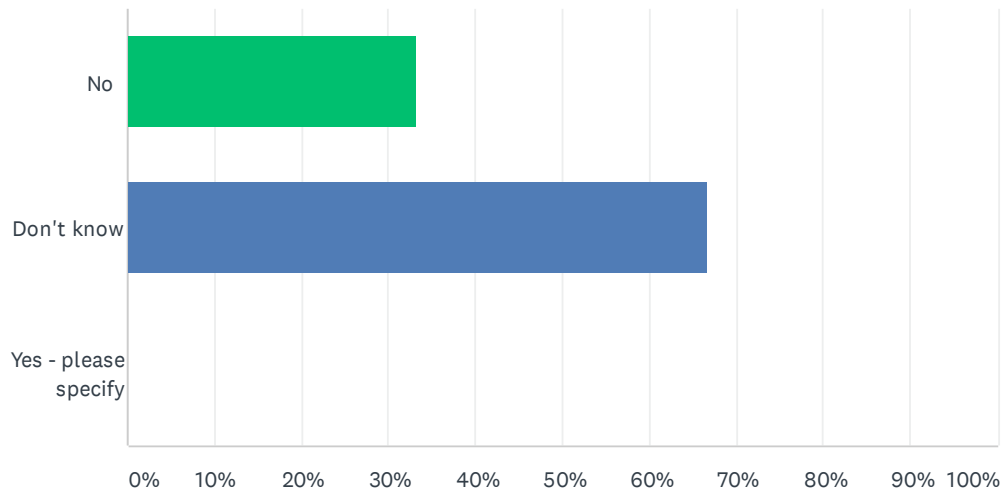
Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	50.00%	3
No	0.00%	0
Don't know	50.00%	3
Other (please comment)	0.00%	0
TOTAL		6

Q16 Is there any other authentication mechanism that you are missing in Zowe API Mediation Layer other than client certificates (x.509)?

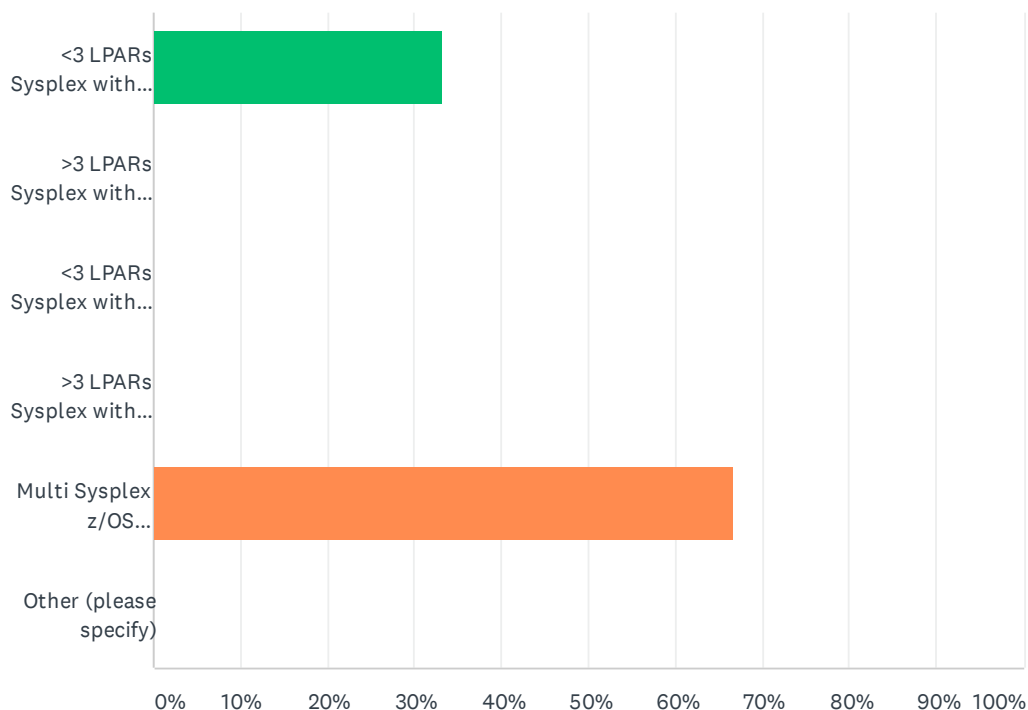
Answered: 6 Skipped: 5



ANSWER CHOICES	RESPONSES	
No	33.33%	2
Don't know	66.67%	4
Yes - please specify	0.00%	0
TOTAL		6

Q17 For Zowe High Availability testing purposes, what is the most common z/OS production environment set up in which you would deploy Zowe API ML?

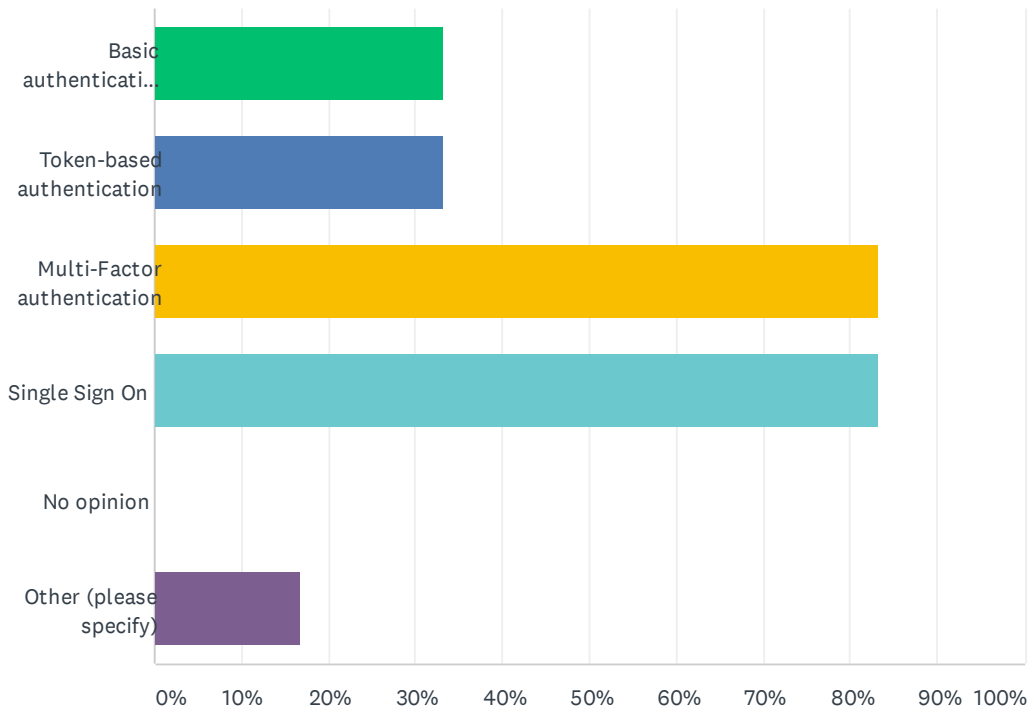
Answered: 6 Skipped: 5



ANSWER CHOICES	RESPONSES	
<3 LPARs Sysplex with shared Enterprise Security Manager (ESM) security domain	33.33%	2
>3 LPARs Sysplex with shared security domain (ESM) across	0.00%	0
<3 LPARs Sysplex with different security domain (ESM) per LPAR	0.00%	0
>3 LPARs Sysplex with different security domain (ESM) per LPAR	0.00%	0
Multi Sysplex z/OS environment with variety of security domains (ESM)	66.67%	4
Other (please specify)	0.00%	0
TOTAL		6

Q18 As a Zowe Explorer user, please select the security best practices that you (or your organization) would be interested in.

Answered: 6 Skipped: 5

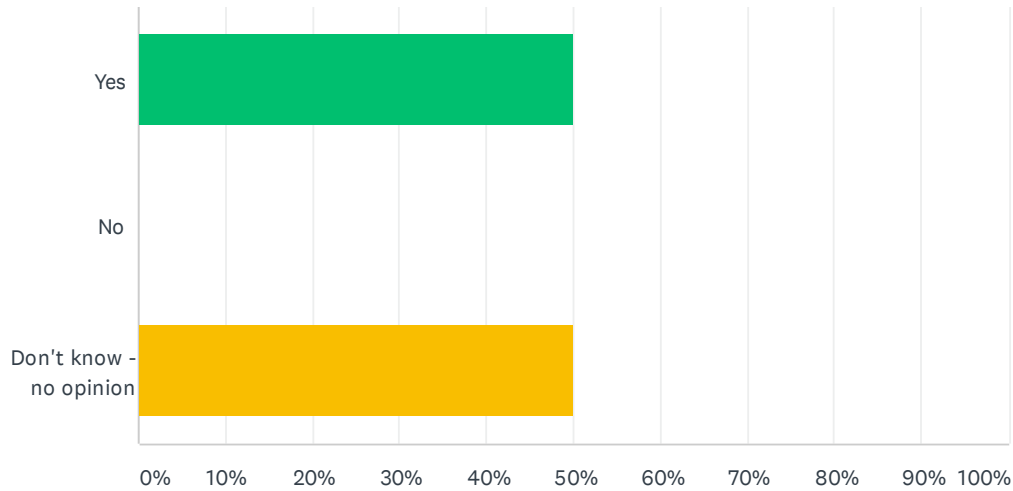


ANSWER CHOICES	RESPONSES	
Basic authentication (username and password)	33.33%	2
Token-based authentication	33.33%	2
Multi-Factor authentication	83.33%	5
Single Sign On	83.33%	5
No opinion	0.00%	0
Other (please specify)	16.67%	1
Total Respondents: 6		

Q19 The Zowe Explorer today does not have a clearly documented way to extend its capabilities and does not have a conformance program (published criteria, badge, etc.) Do you see the need for Zowe Explorer being extensible and a documented conformance program?

Answered: 6 Skipped: 5

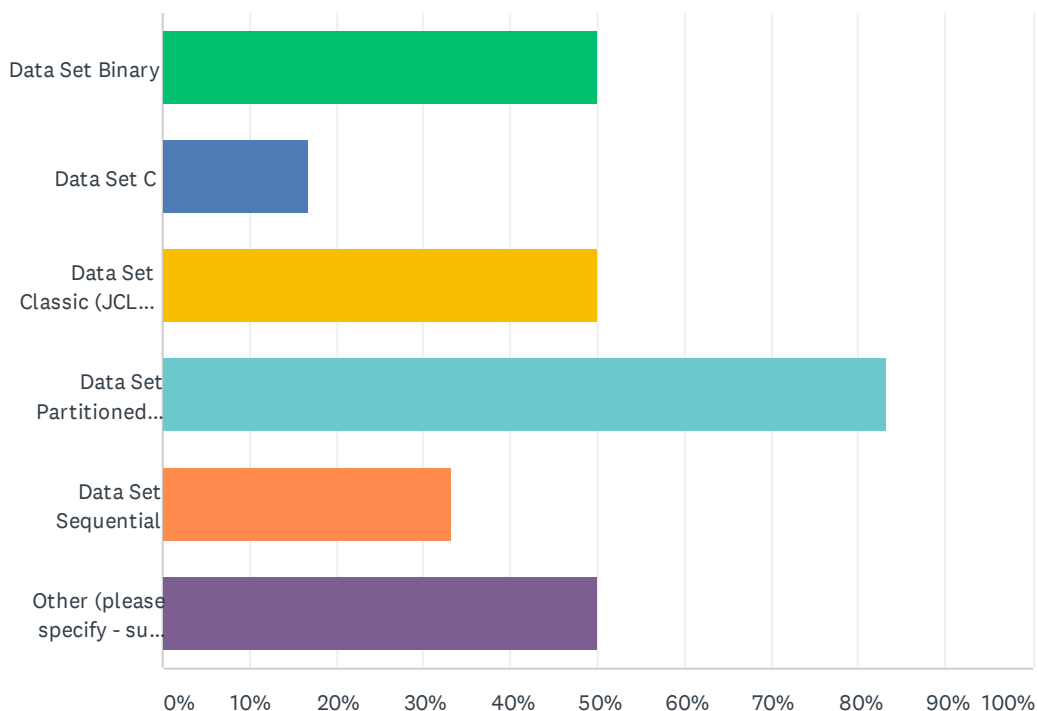
Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	50.00%	3
No	0.00%	0
Don't know - no opinion	50.00%	3
TOTAL		6

Q20 When creating data sets through Zowe Explorer, what types do you use more often? Use `Other` to describe details for a custom template you'd like to add.

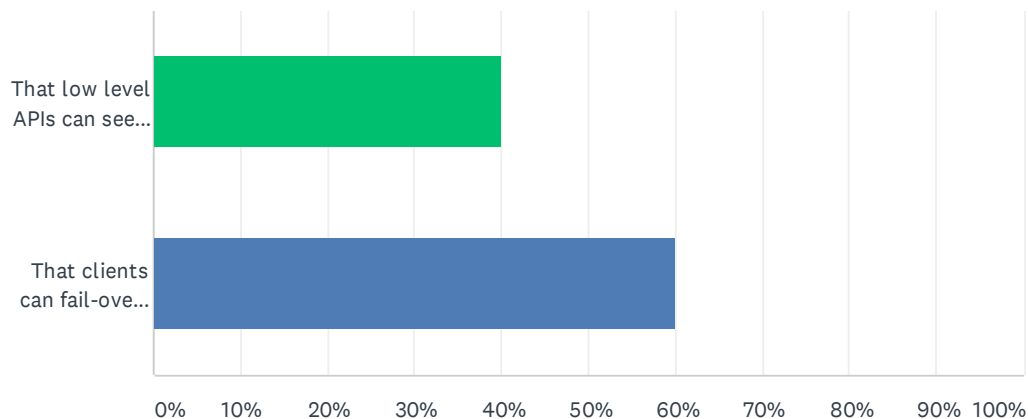
Answered: 6 Skipped: 5



ANSWER CHOICES	RESPONSES	
Data Set Binary	50.00%	3
Data Set C	16.67%	1
Data Set Classic (JCL, Cobol, ASM kind of files)	50.00%	3
Data Set Partitioned (PDS)	83.33%	5
Data Set Sequential	33.33%	2
Other (please specify - such as Partitioned Data Set Extended (PDS/E) - describe allocation details if possible:)	50.00%	3
Total Respondents: 6		

Q21 As a WebUI (Application Framework or Virtual Desktop) user, which is more important for 2H 2020 deliverable:

Answered: 5 Skipped: 6

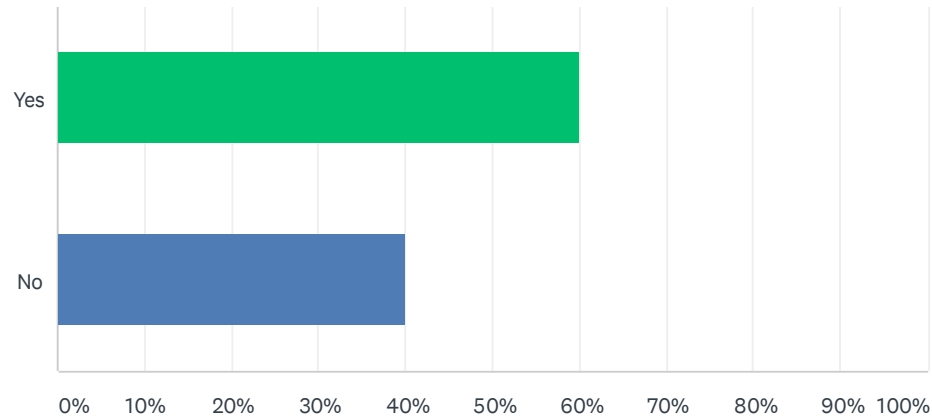


ANSWER CHOICES	RESPONSES	
That low level APIs can see data from multiple LPARs in a sysplex as opposed to just the "current" LPAR?	40.00%	2
That clients can fail-over between redundant copies of the server for fault tolerance	60.00%	3
TOTAL		5

Q22 As a WebUI (Application Framework or Virtual Desktop) user, would you object to a dependency on Db2 for achieving high availability of stored data? (Appropriate Db2 license would be responsibility of the user of Zowe.)

Answered: 5 Skipped: 6

Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	60.00%	3
No	40.00%	2
TOTAL		5

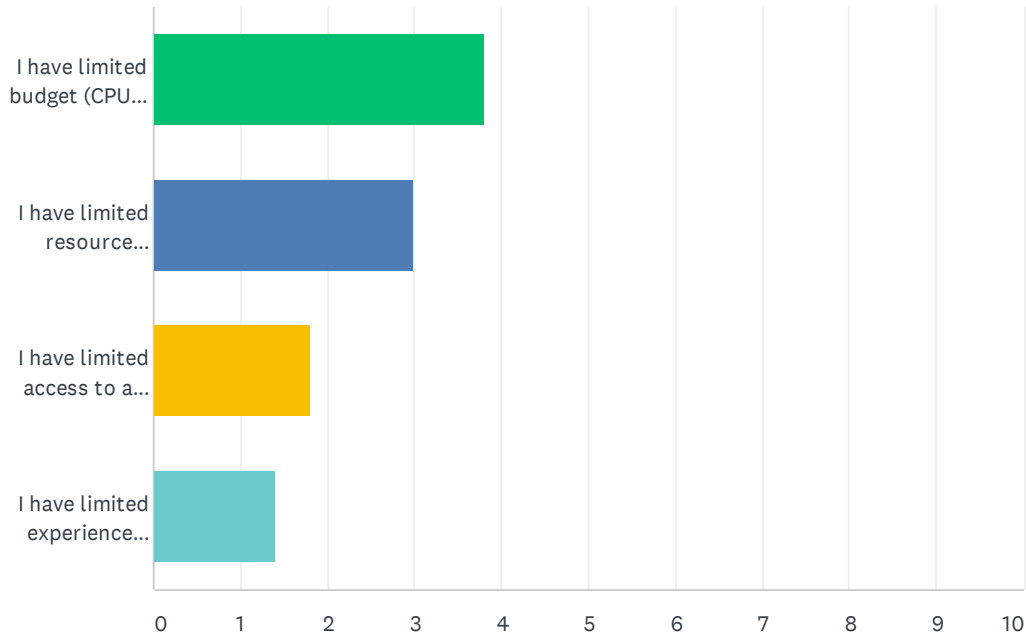
Q23 What other cross-LPAR, persistent data store technology on z/OS would you consider acceptable?

Answered: 3 Skipped: 8

Q24 As a WebUI (Application Framework or Virtual Desktop) user, rank the following reasons for running server components on off z/OS by priority (1 is most important):

Answered: 5 Skipped: 6

Feedback on Zowe Development Directions for 2H 2020

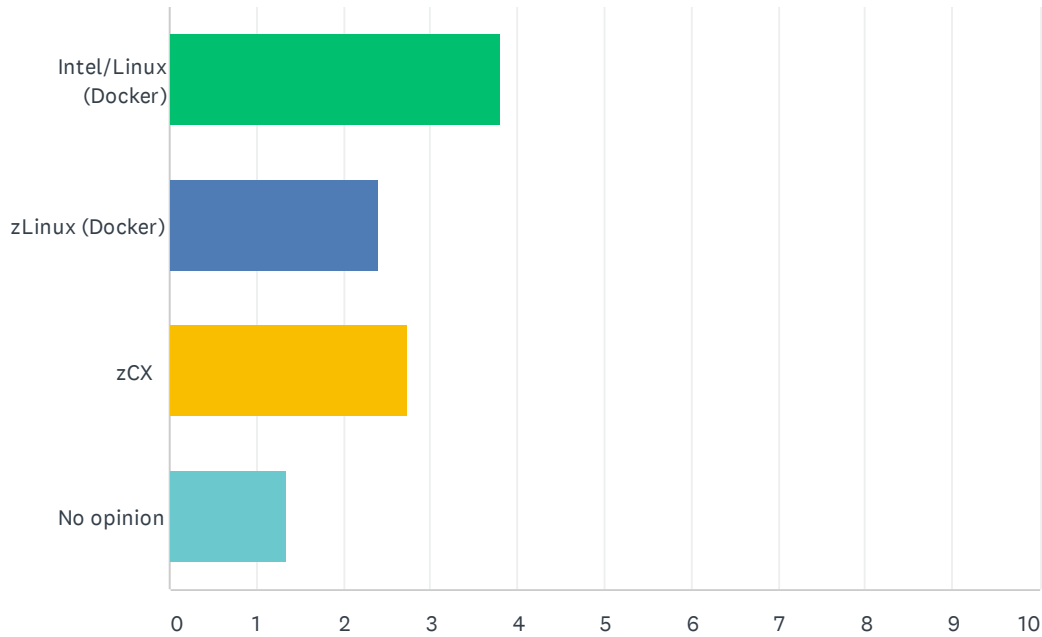


	1	2	3	4	TOTAL	SCORE
I have limited budget (CPU usage cost)	80.00% 4	20.00% 1	0.00% 0	0.00% 0	5	3.80
I have limited resource capacity	20.00% 1	60.00% 3	20.00% 1	0.00% 0	5	3.00
I have limited access to a mainframe	0.00% 0	20.00% 1	40.00% 2	40.00% 2	5	1.80
I have limited experience using z/OS and or USS	0.00% 0	0.00% 0	40.00% 2	60.00% 3	5	1.40

Q25 As a WebUI (Application Framework or Virtual Desktop) user, rank the following non-z/OS platforms for running server components (1 is most important):

Answered: 5 Skipped: 6

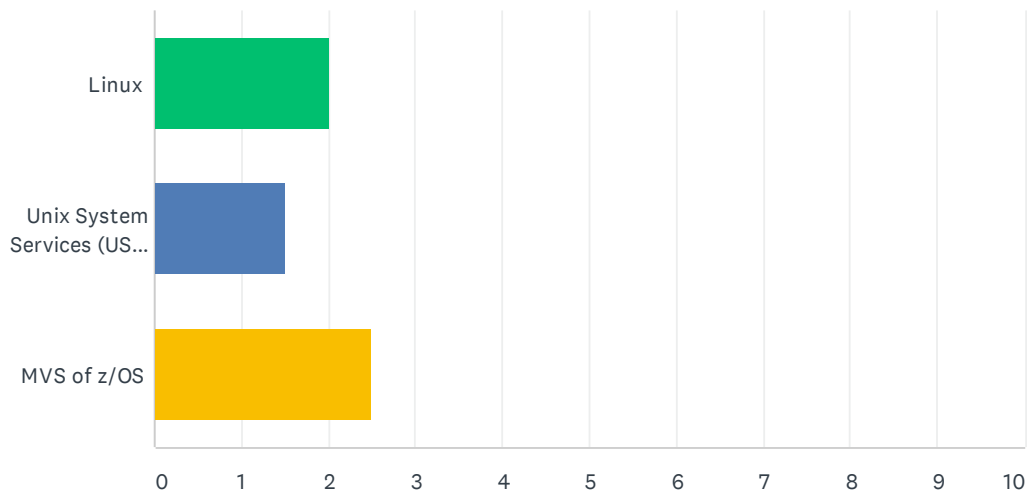
Feedback on Zowe Development Directions for 2H 2020



	1	2	3	4	TOTAL	SCORE
Intel/Linux (Docker)	80.00% 4	20.00% 1	0.00% 0	0.00% 0	5	3.80
zLinux (Docker)	0.00% 0	60.00% 3	20.00% 1	20.00% 1	5	2.40
zCX	25.00% 1	25.00% 1	50.00% 2	0.00% 0	4	2.75
No opinion	0.00% 0	0.00% 0	33.33% 1	66.67% 2	3	1.33

Q26 As a WebUI (Application Framework or Virtual Desktop) user, when it comes to install and configuration, rank these platforms by your comfort level (1 is most comfortable)?

Answered: 6 Skipped: 5

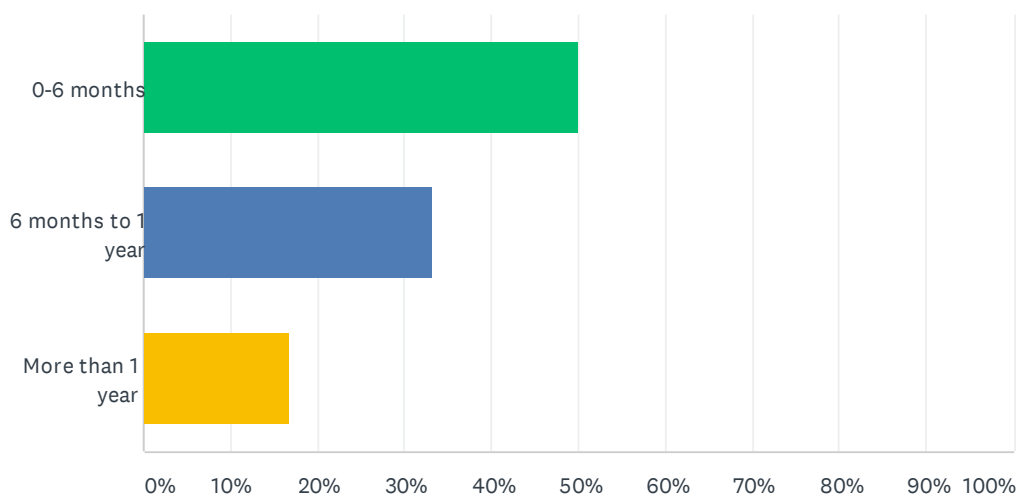


Feedback on Zowe Development Directions for 2H 2020

	1	2	3	TOTAL	SCORE
Linux	33.33% 2	33.33% 2	33.33% 2	6	2.00
Unix System Services (USS) of z/OS	0.00% 0	50.00% 3	50.00% 3	6	1.50
MVS of z/OS	66.67% 4	16.67% 1	16.67% 1	6	2.50

Q27 How much experience do you have with the Zowe CLI?

Answered: 6 Skipped: 5

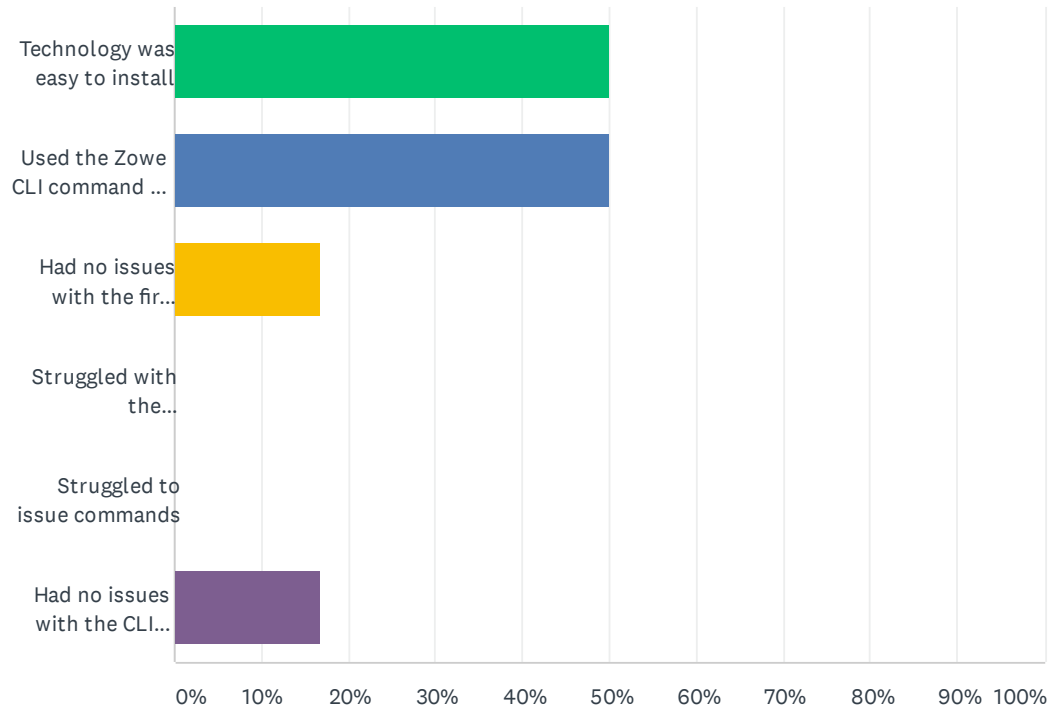


ANSWER CHOICES	RESPONSES
0-6 months	50.00% 3
6 months to 1 year	33.33% 2
More than 1 year	16.67% 1
TOTAL	6

Q28 Please describe your on-boarding experience using the Zowe CLI interactively [check all that apply]

Answered: 6 Skipped: 5

Feedback on Zowe Development Directions for 2H 2020

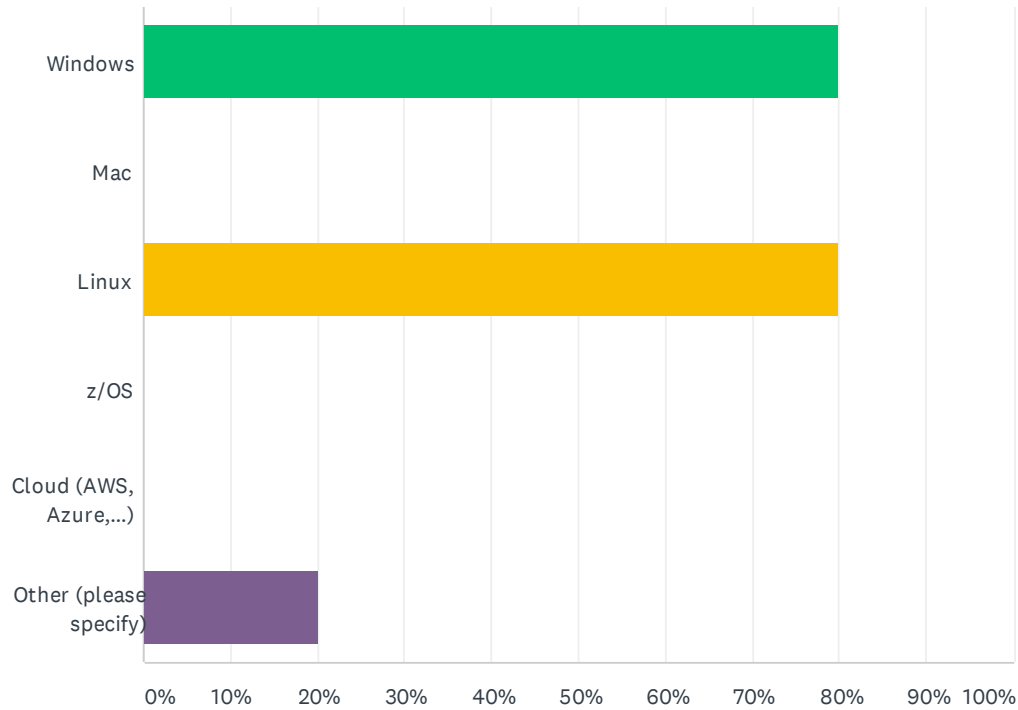


ANSWER CHOICES	RESPONSES	
Technology was easy to install	50.00%	3
Used the Zowe CLI command web help	50.00%	3
Had no issues with the first command	16.67%	1
Struggled with the installation	0.00%	0
Struggled to issue commands	0.00%	0
Had no issues with the CLI but had to wait for z/OS components	16.67%	1
Total Respondents: 6		

Q29 Which OS are you running Zowe CLI commands on? [check all that apply]

Answered: 5 Skipped: 6

Feedback on Zowe Development Directions for 2H 2020

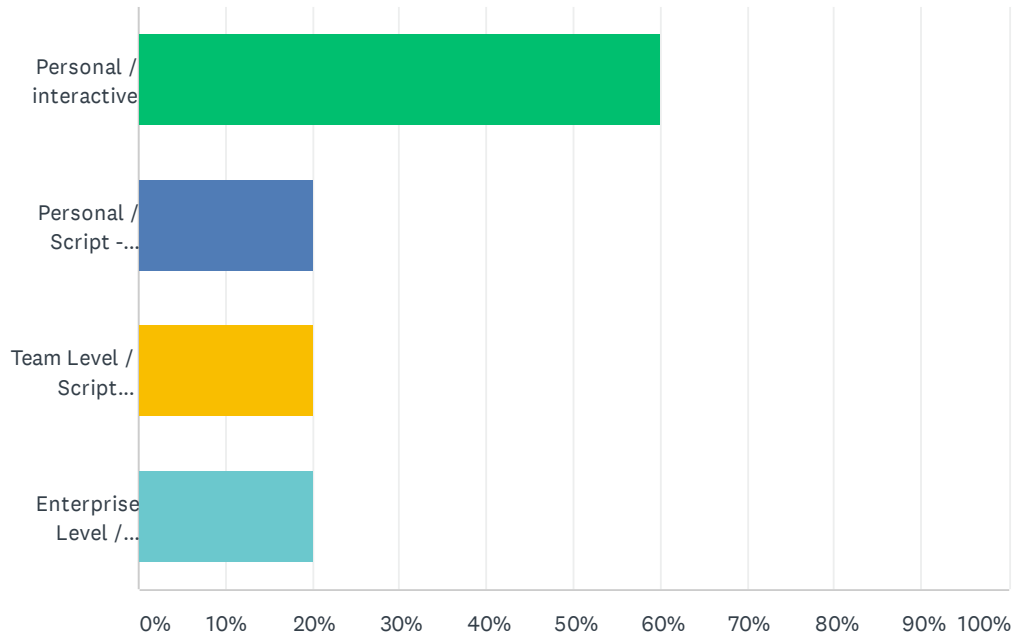


ANSWER CHOICES	RESPONSES	
Windows	80.00%	4
Mac	0.00%	0
Linux	80.00%	4
z/OS	0.00%	0
Cloud (AWS, Azure,...)	0.00%	0
Other (please specify)	20.00%	1
Total Respondents: 5		

Q30 What are you primarily leveraging the Zowe CLI for? [check all that apply]

Answered: 5 Skipped: 6

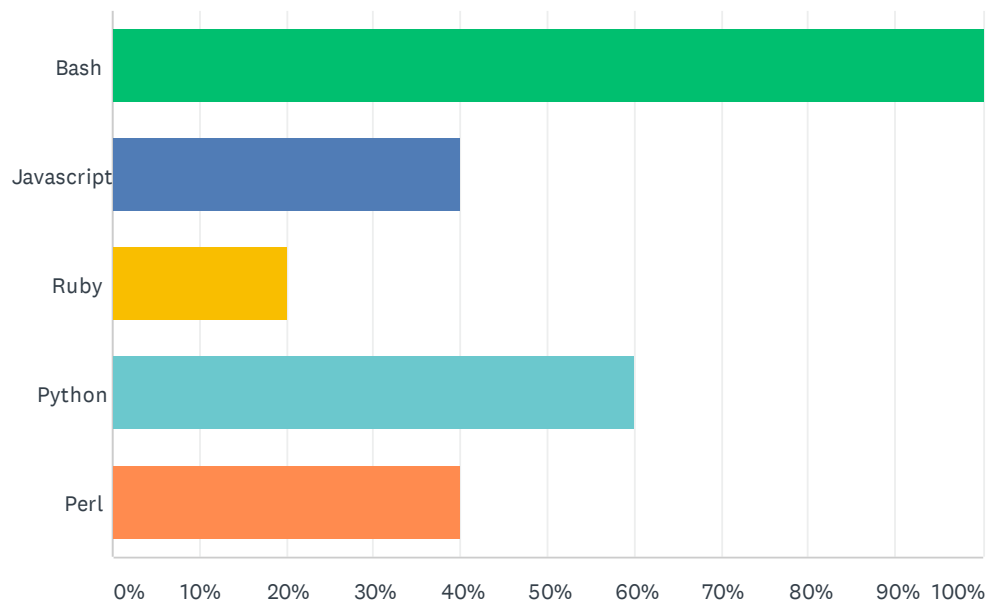
Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Personal / interactive	60.00%	3
Personal / Script - automation	20.00%	1
Team Level / Script -automation	20.00%	1
Enterprise Level / Script-automation	20.00%	1
Total Respondents: 5		

Q31 What scripting languages have you used?

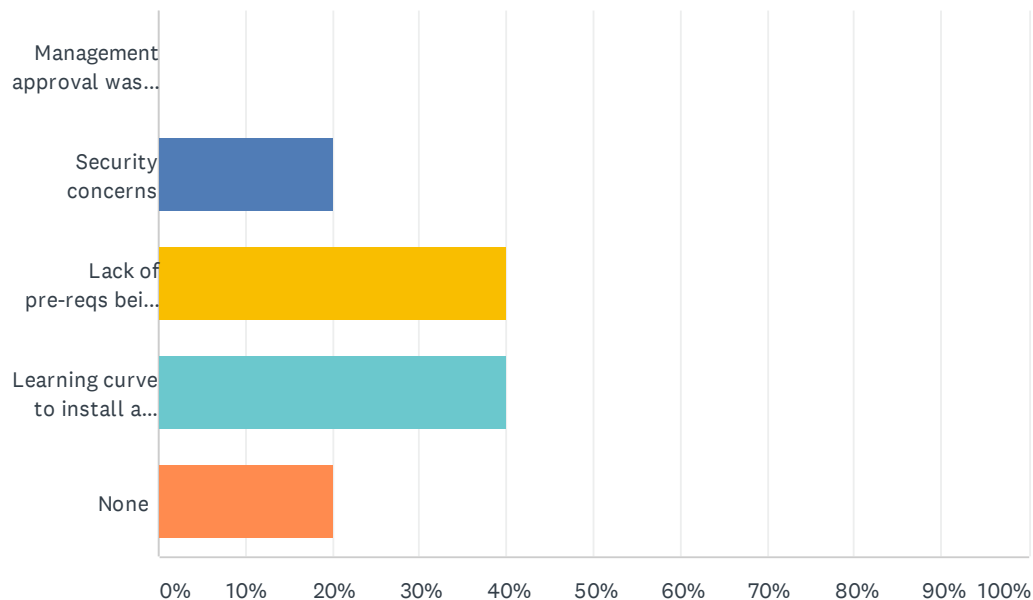
Answered: 5 Skipped: 6



ANSWER CHOICES	RESPONSES	
Bash	100.00%	5
Javascript	40.00%	2
Ruby	20.00%	1
Python	60.00%	3
Perl	40.00%	2
Total Respondents: 5		

Q32 What roadblocks or issues have you encountered in rolling out Zowe CLI across your organization.

Answered: 5 Skipped: 6

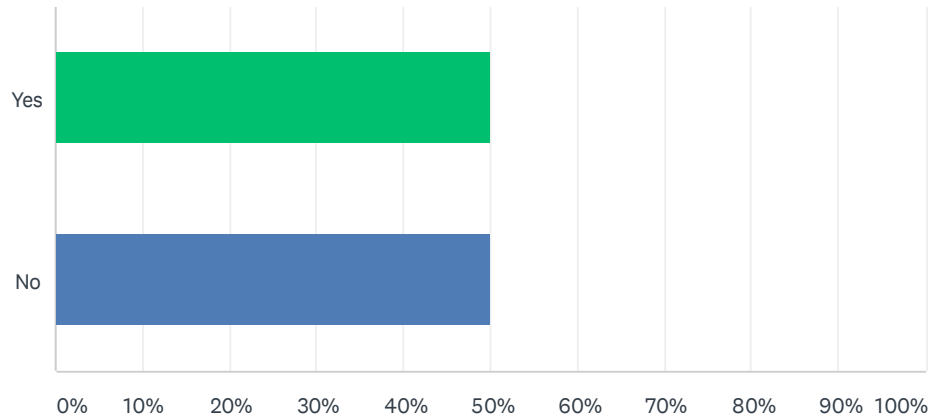


ANSWER CHOICES	RESPONSES	
Management approval was a hurdle	0.00%	0
Security concerns	20.00%	1
Lack of pre-reqs being in place (i.e., z/OSMF configured for example)	40.00%	2
Learning curve to install and configure the CLI plus plug-ins	40.00%	2
None	20.00%	1
Total Respondents: 5		

Q33 Have you leveraged any Zowe CLI plug-ins?

Answered: 6 Skipped: 5

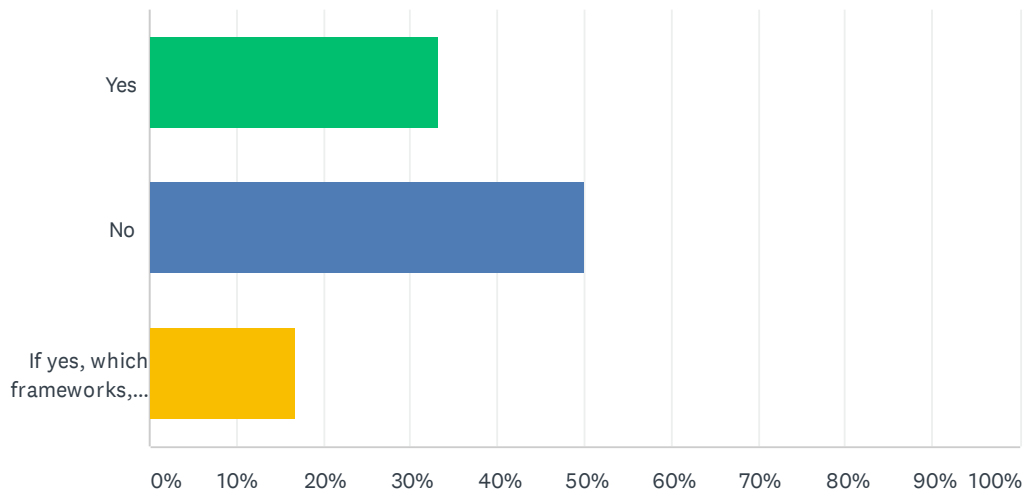
Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	50.00%	3
No	50.00%	3
TOTAL		6

Q34 Are you considering or have you tried leveraging any test frameworks, automated pipelines or task runners in conjunction with Zowe CLI?

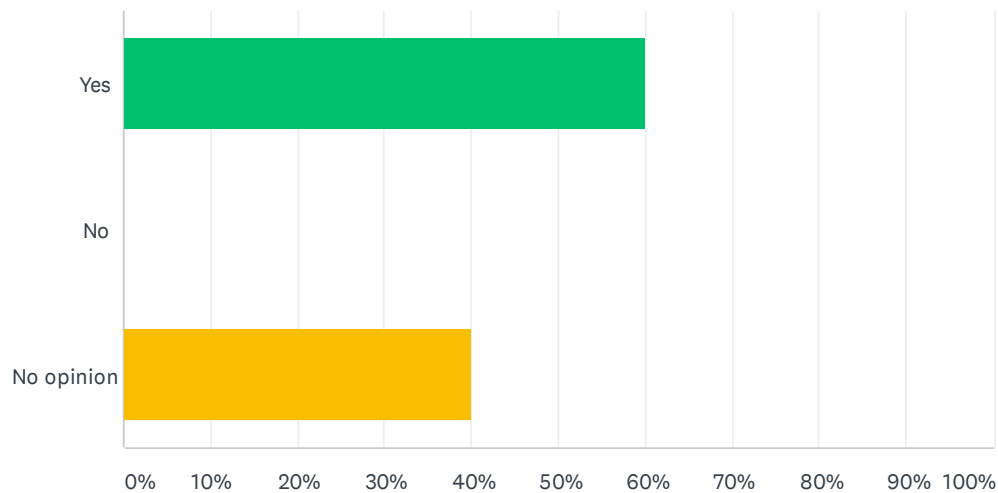
Answered: 6 Skipped: 5



ANSWER CHOICES	RESPONSES	
Yes	33.33%	2
No	50.00%	3
If yes, which frameworks, pipeline tools, or task runners?	16.67%	1
TOTAL		6

Q35 Would you prefer to specify all default command options in a single profile?

Answered: 5 Skipped: 6

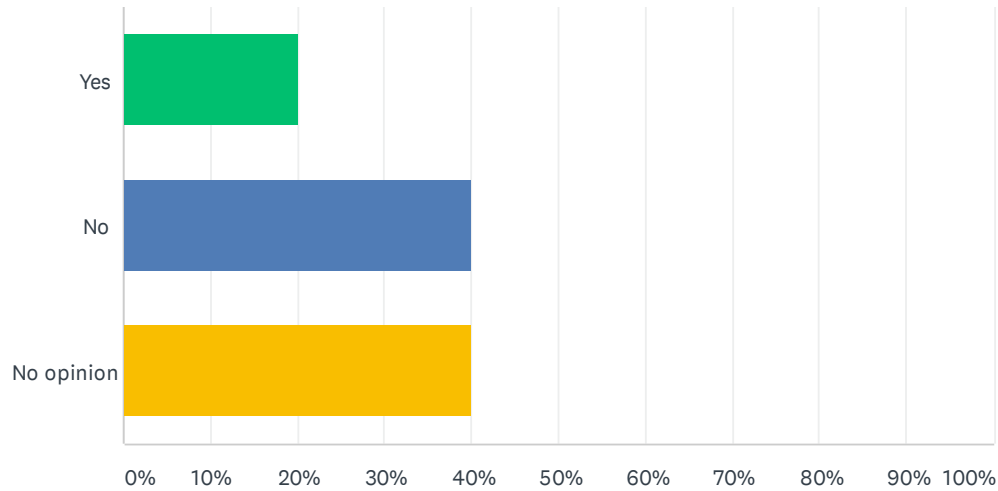


ANSWER CHOICES	RESPONSES	
Yes	60.00%	3
No	0.00%	0
No opinion	40.00%	2
TOTAL		5

Q36 If you are you familiar with the Zowe CLI command option order of precedence, do you see a need to have another level of precedence where you could specify defaults for any command option in a single profile?

Answered: 5 Skipped: 6

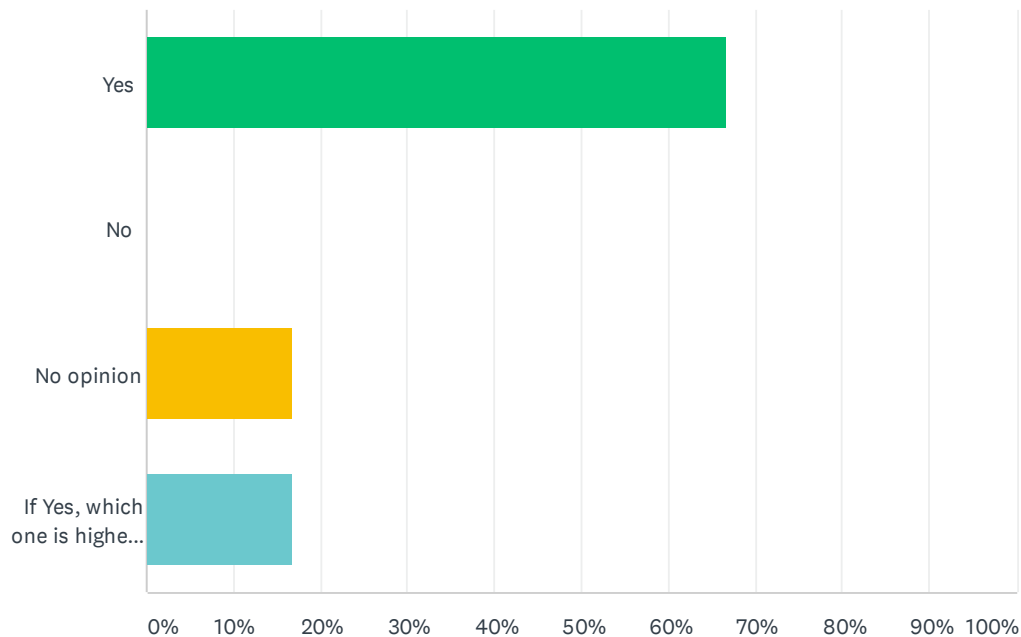
Feedback on Zowe Development Directions for 2H 2020



ANSWER CHOICES	RESPONSES	
Yes	20.00%	1
No	40.00%	2
No opinion	40.00%	2
TOTAL		5

Q37 Would you be interested in leveraging Node or Python libraries in scripts for z/OS interaction?

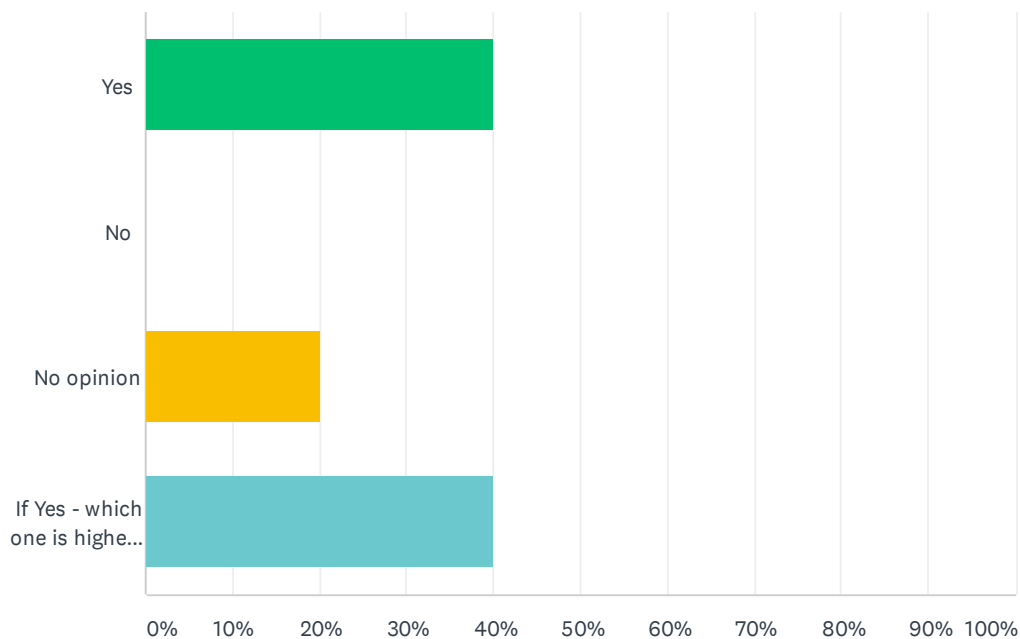
Answered: 6 Skipped: 5



ANSWER CHOICES	RESPONSES	
Yes	66.67%	4
No	0.00%	0
No opinion	16.67%	1
If Yes, which one is higher priority, Node or Python?	16.67%	1
TOTAL		6

Q38 Would you be interested in leveraging Node or Python libraries in applications for z/OS interaction?

Answered: 5 Skipped: 6



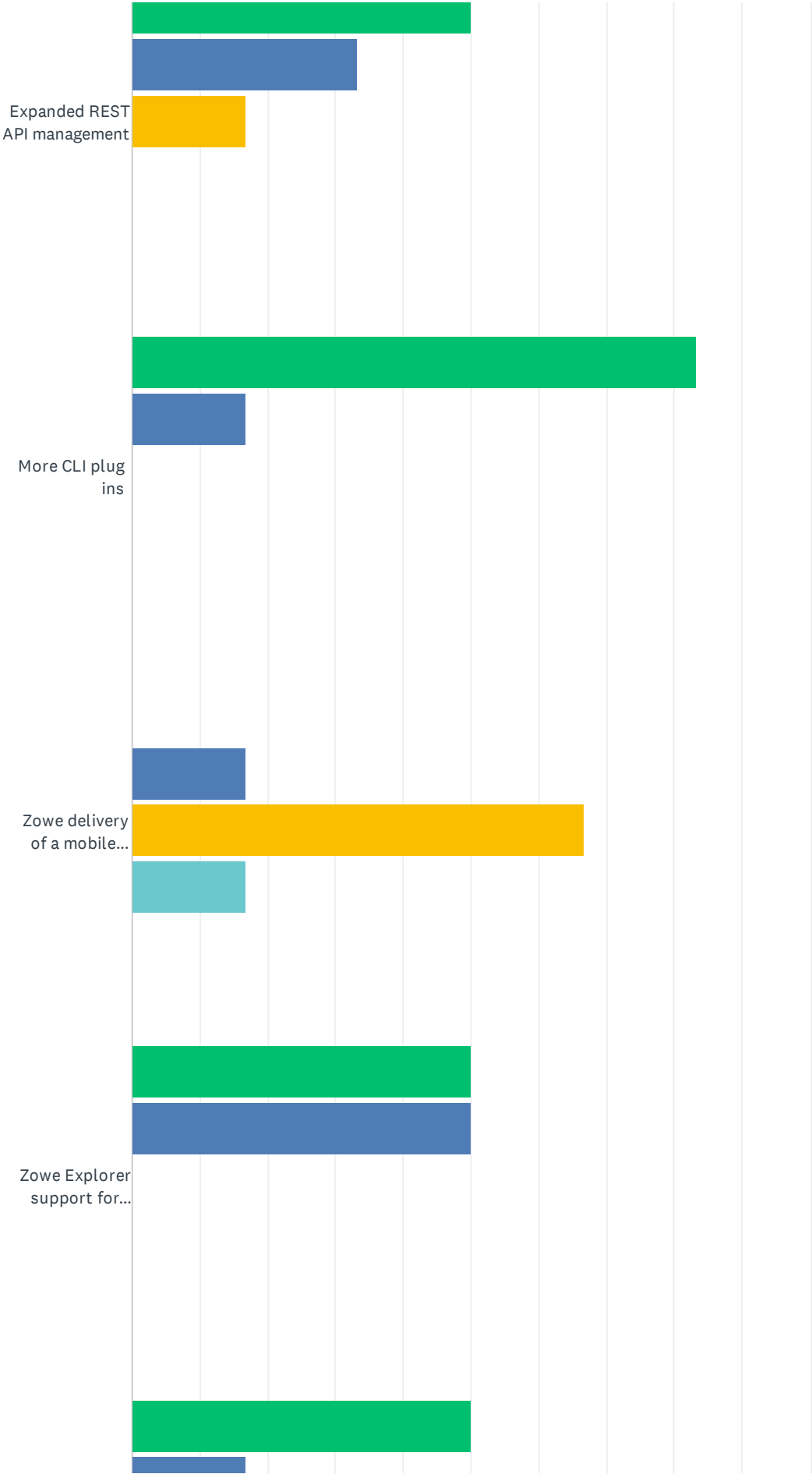
ANSWER CHOICES	RESPONSES	
Yes	40.00%	2
No	0.00%	0
No opinion	20.00%	1
If Yes - which one is higher priority, Node or Python?	40.00%	2
TOTAL		5

Q39 Please comment in the importance of these possible directions for Zowe

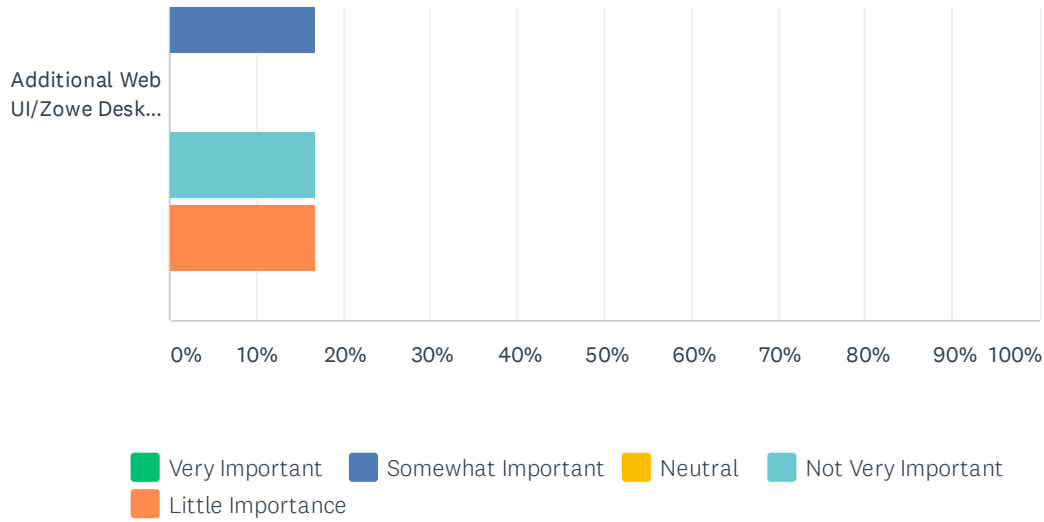
Answered: 6 Skipped: 5



Feedback on Zowe Development Directions for 2H 2020



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	VERY IMPORTANT	SOMEWHAT IMPORTANT	NEUTRAL	NOT VERY IMPORTANT	LITTLE IMPORTANCE	TOTAL
Expanded REST API management	50.00% 3	33.33% 2	16.67% 1	0.00% 0	0.00% 0	6
More CLI plug ins	83.33% 5	16.67% 1	0.00% 0	0.00% 0	0.00% 0	6
Zowe delivery of a mobile application	0.00% 0	16.67% 1	66.67% 4	16.67% 1	0.00% 0	6
Zowe Explorer support for additional IDEs (other than VS Code)	50.00% 3	50.00% 3	0.00% 0	0.00% 0	0.00% 0	6
Additional Web UI/Zowe Desktop apps	50.00% 3	16.67% 1	0.00% 0	16.67% 1	16.67% 1	6