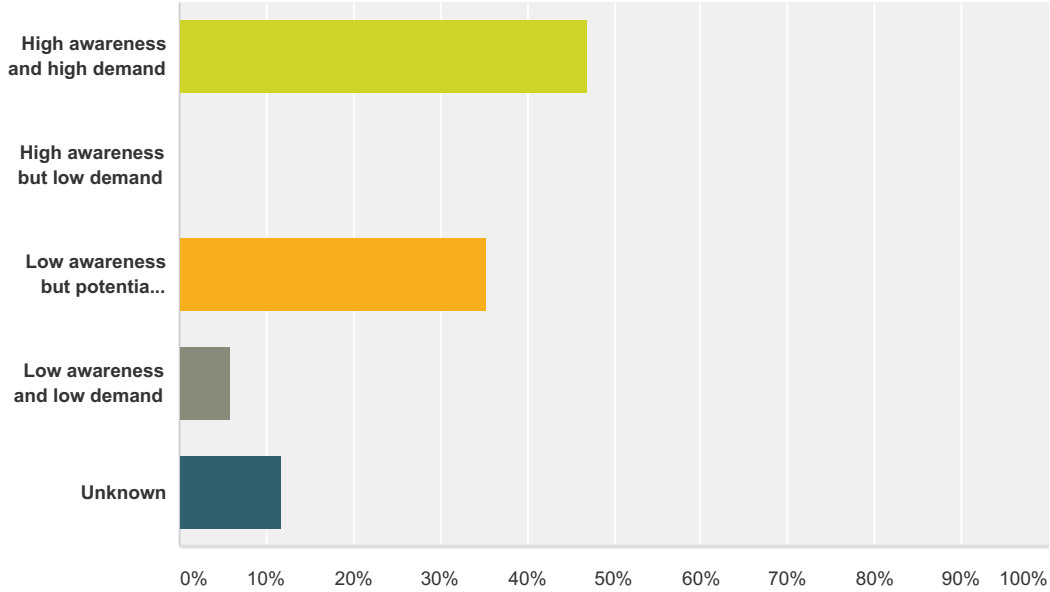


Q1 From your experience, what is the awareness and demand from Institutions and users for federated identity services?

Answered: 17 Skipped: 3

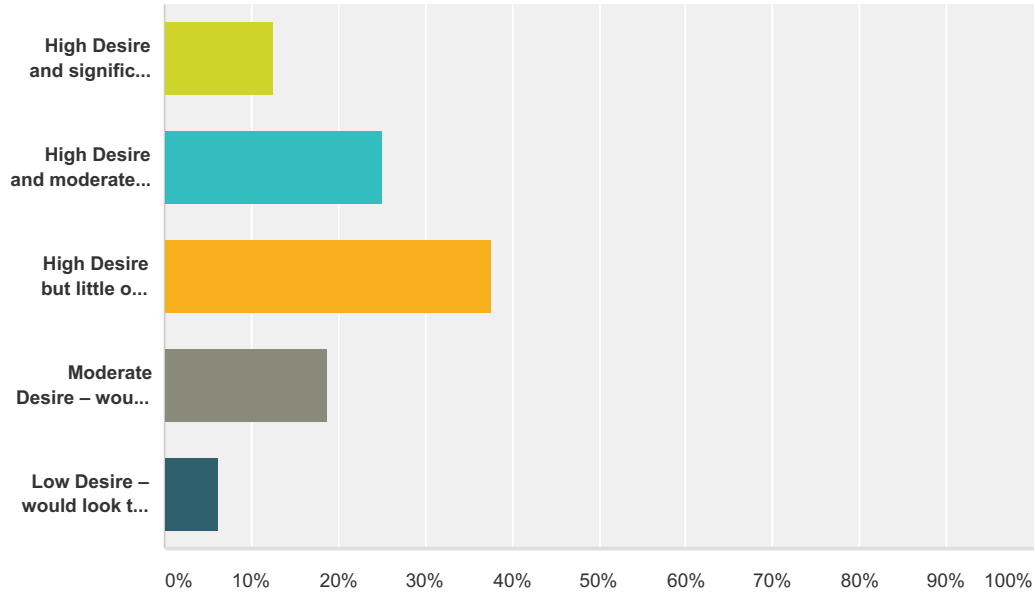


Answer Choices	Responses
High awareness and high demand	47.06% 8
High awareness but low demand	0.00% 0
Low awareness but potentially high demand	35.29% 6
Low awareness and low demand	5.88% 1
Unknown	11.76% 2
Total	17

#	Please let us know any extra detail useful for understanding your answer	Date
1	The benefits of both a central login and single-sign on should be marketed. Any marketing materials should target this.	10/6/2016 12:10 PM
2	Large institutions like Universities have high awareness and high demand, smaller institutions have less of both	10/6/2016 10:41 AM
3	test	10/6/2016 10:29 AM
4	ghghg	10/5/2016 2:23 PM

Q2 Within the R&E IT community, what is the desire and ability of institutions to deliver Identity Provider services to their users and to federate those services?

Answered: 16 Skipped: 4

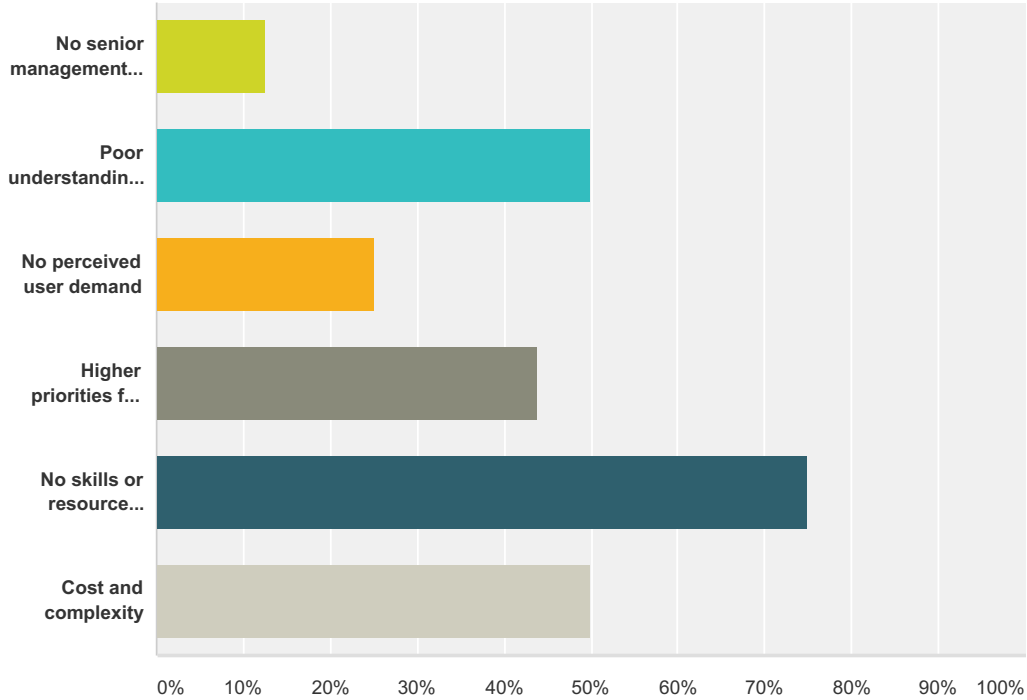


Answer Choices	Responses
High Desire and significant in-house ability	12.50% 2
High Desire and moderate ability (may require training and central support)	25.00% 4
High Desire but little or no in-house ability or resources	37.50% 6
Moderate Desire – would consider it if simple and cheap	18.75% 3
Low Desire – would look to external provision	6.25% 1
Total	16

#	Please let us know any extra detail useful for understanding your answer	Date
1	My response to this question is an average spread across hundreds of participants InCommon. The levels of desire and ability vary extremely widely across InCommon and US higher education in general. This is one reason for the creation of the TIER program in Internet2.	10/6/2016 4:49 PM
2	There is always enough investment funds. Never enough funds for ongoing licenses or for wages.	10/6/2016 12:10 PM
3	Large institutions like Universities have moderate ability, smaller colleges do not	10/6/2016 10:41 AM

Q3 From your experience with the R&E community, what are the main barriers to adoption of federated Identity services?

Answered: 16 Skipped: 4

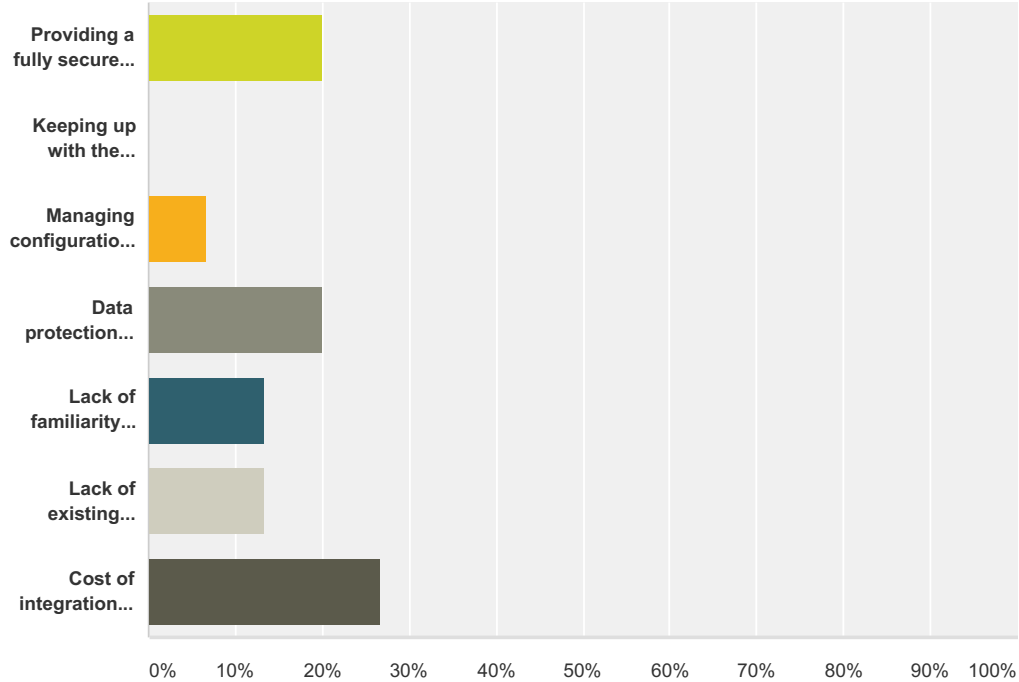


Answer Choices	Responses
No senior management desire	12.50% 2
Poor understanding of the benefits	50.00% 8
No perceived user demand	25.00% 4
Higher priorities for resources	43.75% 7
No skills or resource in-house	75.00% 12
Cost and complexity	50.00% 8
Total Respondents: 16	

#	Please let us know any extra detail useful for understanding your answer	Date
1	Again, this all varies incredibly widely in US higher education	10/6/2016 4:49 PM
2	Practically all of the above. Another barrier is lack of knowledge about requirements for attributes taken over from local systems (e.g. identifiers unique in time, persistent IDs, personal data protection considerations (birth numbers), having and providing an institutional email address for each user (and the users actually using them!), allowing users to make an informed decision about which attributes the IdP provides to SPs, ...). A brief and simple educational resource about best practices for the structure of local data would be highly beneficial and could be used for marketing a hosted solution.	10/6/2016 12:10 PM
3	Cost is not an issue, complexity is	10/6/2016 10:41 AM
4	Disconnect between different teams within each organisation	10/6/2016 10:29 AM

Q4 What would you consider the principle issues/barrier for centrally delivering and supporting institutional IdP services.

Answered: 15 Skipped: 5

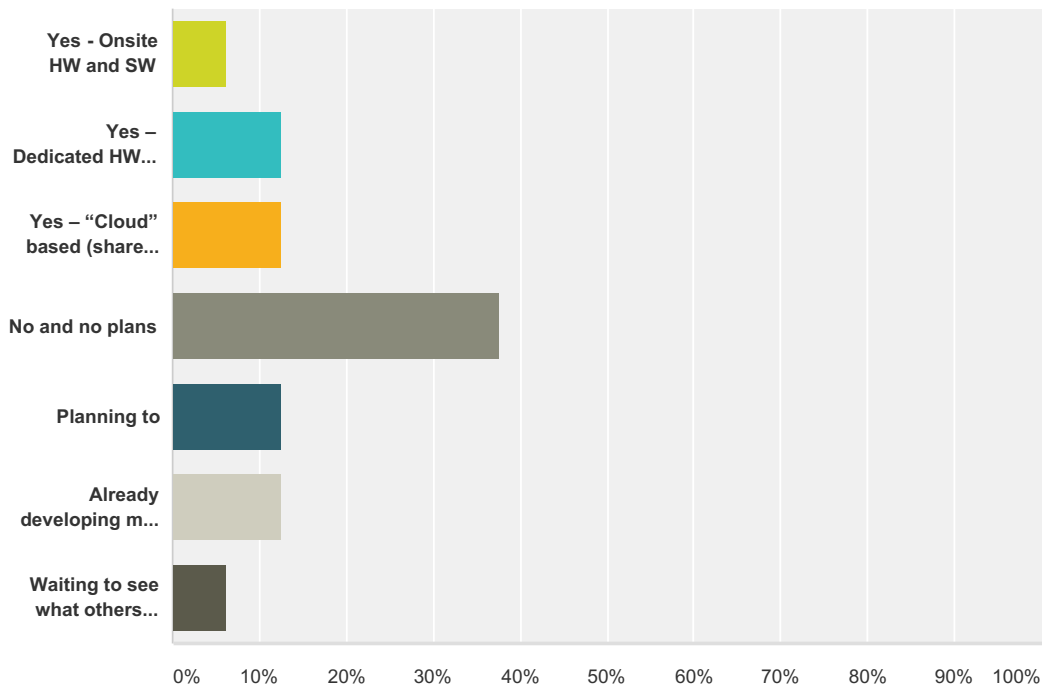


Answer Choices	Responses
Providing a fully secured and monitored IDP environment	20.00% 3
Keeping up with the required updates to software	0.00% 0
Managing configuration to include new features	6.67% 1
Data protection considerations	20.00% 3
Lack of familiarity with or absence of federation-provided support tools	13.33% 2
Lack of existing identity services in the institution (e.g LDAP/AD)	13.33% 2
Cost of integration with existing workflows and solutions in the institution	26.67% 4
Total	15

#	Other (please specify)	Date
1	Data governance issues.	10/6/2016 9:48 PM
2	This question was worded as multiple choice but only let me select one answer. There are numerous principle barriers.	10/6/2016 4:49 PM
3	not exactly cost, but complexity	10/6/2016 12:10 PM
4	I know you asked for the principle issue, but it is often a combination of the issues you listed	10/6/2016 10:41 AM
5	The support effort of working with customers	10/6/2016 10:29 AM

Q5 Do you currently offer an outsourced IdP service to your Institutions?

Answered: 16 Skipped: 4

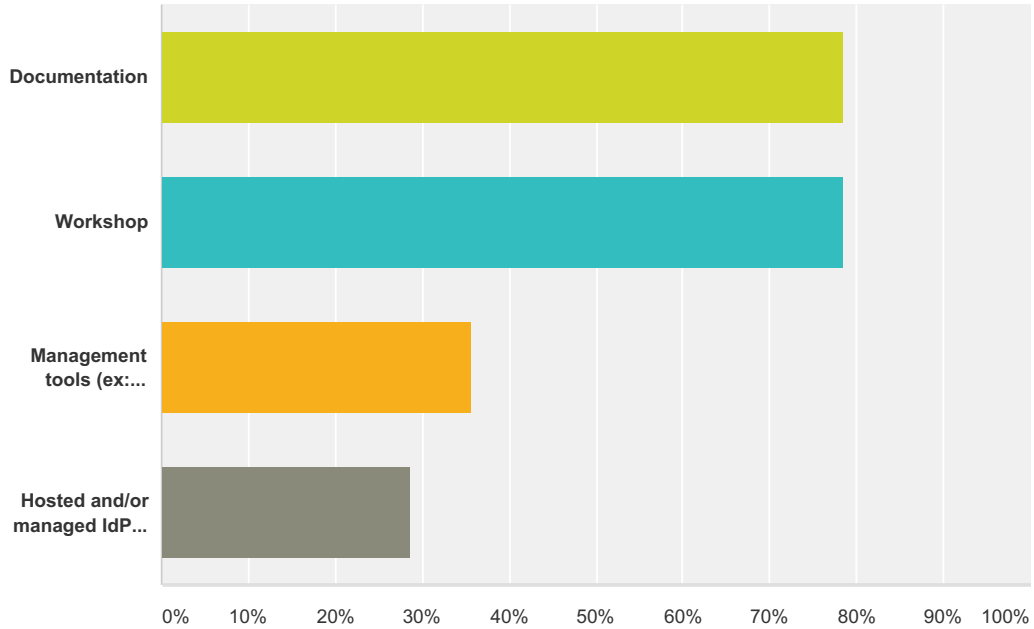


Answer Choices	Responses
Yes - Onsite HW and SW	6.25% 1
Yes – Dedicated HW and SW located centrally	12.50% 2
Yes – “Cloud” based (shared HW/SW)	12.50% 2
No and no plans	37.50% 6
Planning to	12.50% 2
Already developing my solution	12.50% 2
Waiting to see what others will do or offer	6.25% 1
Total	16

#	Please let us know any extra detail useful for understanding your answer	Date
1	See also: The TIER program.	10/6/2016 4:49 PM
2	N/A, we're an institution	10/6/2016 12:10 PM
3	We offer both on site (managed SW only) and hosted (one using LDAP over VPN and one using replica LDAP)	10/6/2016 10:41 AM
4	Just about to start piloting our own solution with customers	10/6/2016 10:29 AM

Q6 Currently what kind of support do you provide to your institutions to help them to provide federated IdP services?

Answered: 14 Skipped: 6

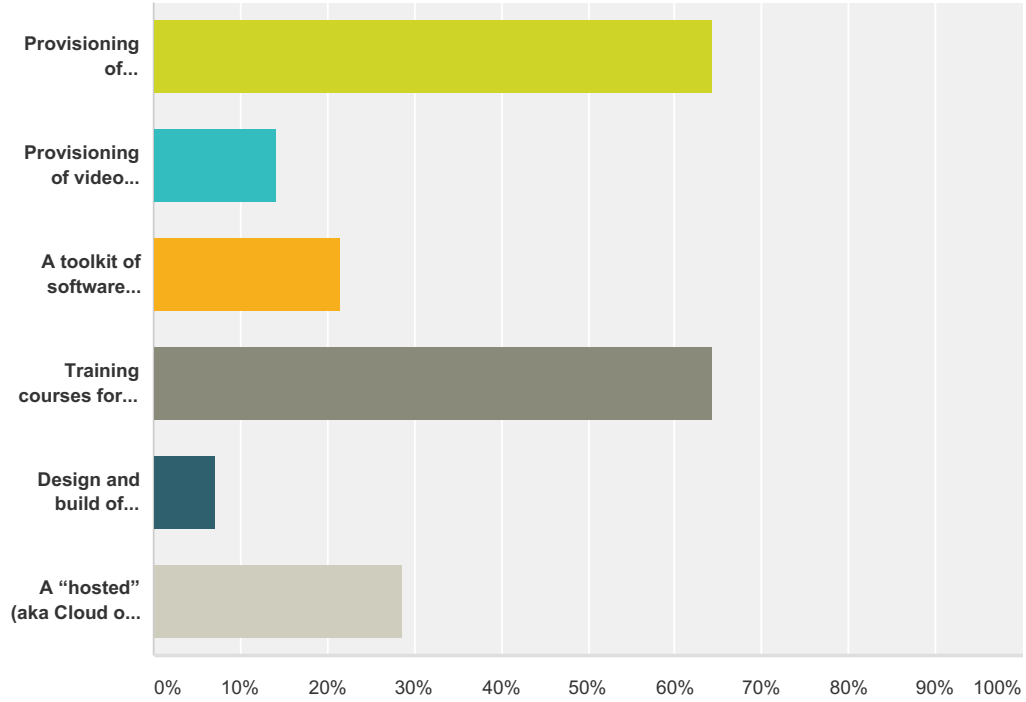


Answer Choices	Responses
Documentation	78.57% 11
Workshop	78.57% 11
Management tools (ex: Ansible, Puppet, docker ...)	35.71% 5
Hosted and/or managed IdP services	28.57% 4
Total Respondents: 14	

#	Any other. Please provide details	Date
1	N/A, we're an institution (the above are provided to us by the federation)	10/6/2016 12:12 PM

Q7 If technical support is offered to institutions, what are the services are offered?

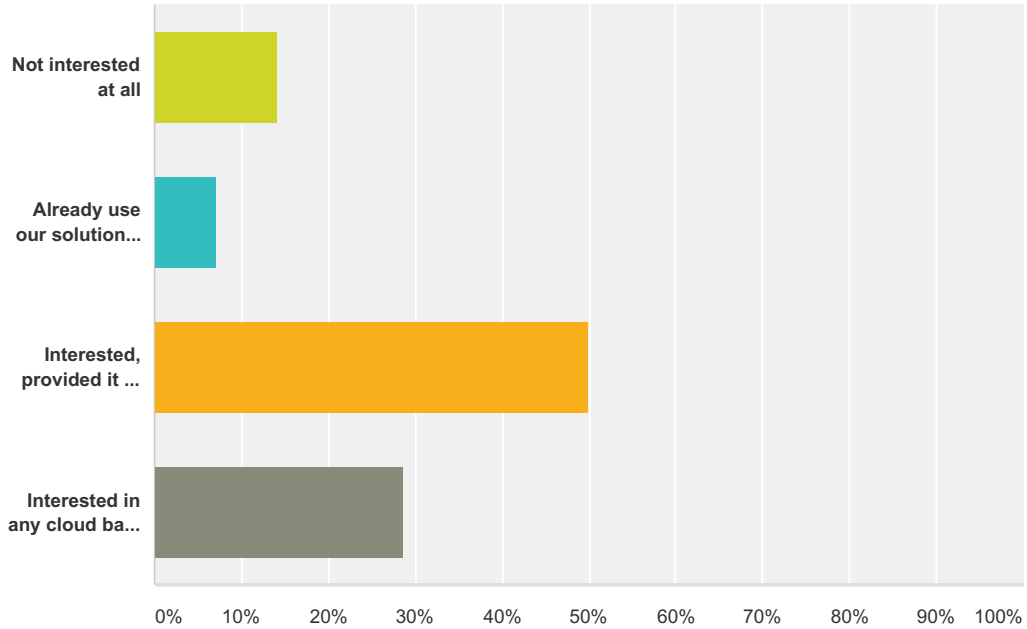
Answered: 14 Skipped: 6



Answer Choices	Responses
Provisioning of step-by-step, user-friendly detailed guides for the setup of the IDP based on Shibboleth or simpleSAMLphp	64.29% 9
Provisioning of video tutorials and educational material on Federations in general and IDP in particular	14.29% 2
A toolkit of software packages to support in-house implementation	21.43% 3
Training courses for institution staff	64.29% 9
Design and build of on-site services for local management and operation	7.14% 1
A "hosted" (aka Cloud or Managed) based solution	28.57% 4
Total Respondents: 14	

Q8 How interested would your individual institutions be in outsourcing the provisioning of a local IdP to a managed service provider?

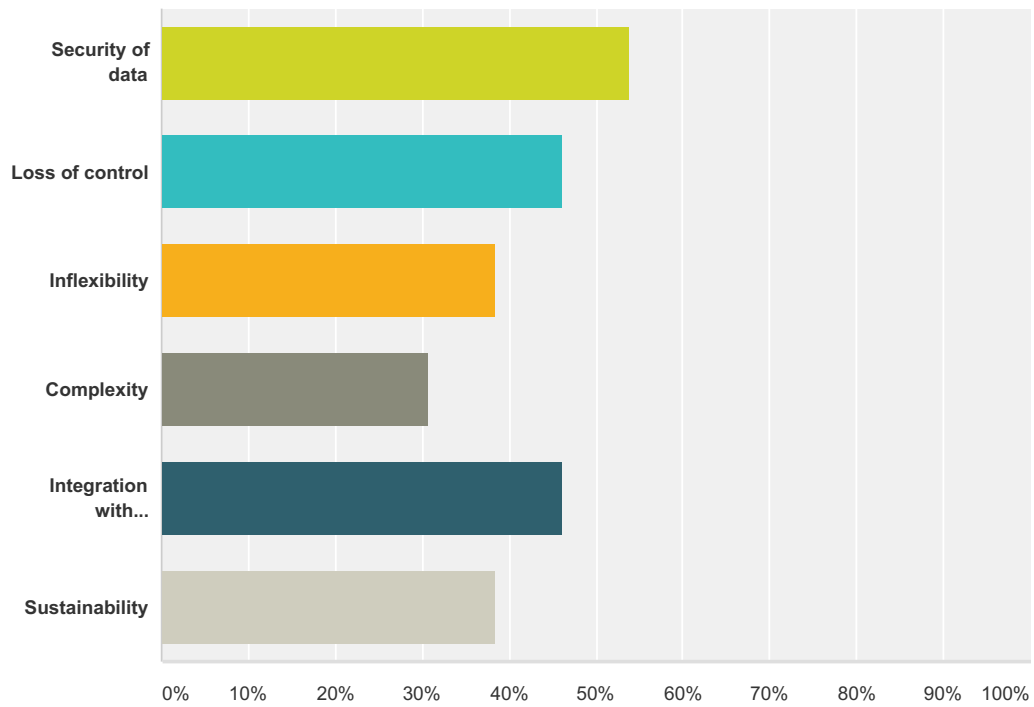
Answered: 14 Skipped: 6



Answer Choices	Responses
Not interested at all	14.29% 2
Already use our solution but not all requirements are met	7.14% 1
Interested, provided it is the National Identity Federation providing a solution within a compatible data protection environment	50.00% 7
Interested in any cloud based solution certified or approved by the the federation	28.57% 4
Total	14

Q9 What do you see the barriers to accepting a managed service?

Answered: 13 Skipped: 7

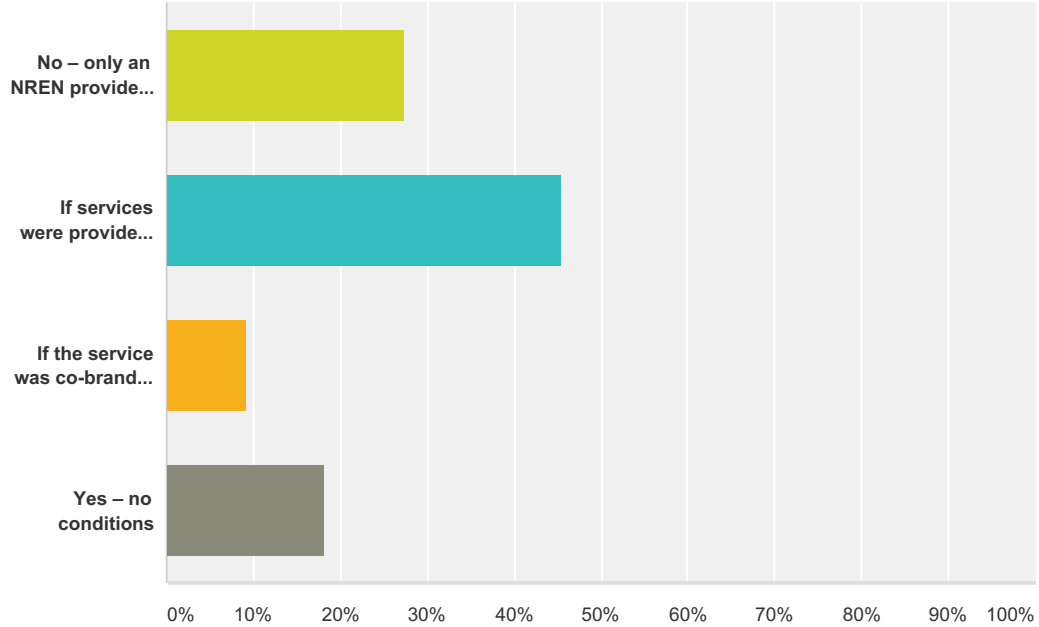


Answer Choices	Responses
Security of data	53.85% 7
Loss of control	46.15% 6
Inflexibility	38.46% 5
Complexity	30.77% 4
Integration with on-site/localised directory services (LDAP/AD)	46.15% 6
Sustainability	38.46% 5
Total Respondents: 13	

#	Please let us know any extra detail useful for understanding your answer	Date
1	Governance of attribute release.	10/6/2016 9:56 PM
2	Some subscribers have expressed concern about feature parity with their current internal SSO solution	10/6/2016 9:26 PM
3	Financial costs for institutions (and we can't provide the service for free)	10/6/2016 12:09 PM

Q10 If GÉANT were to offer a cloud based IdP service would you be willing to recommend this to your institutions?

Answered: 11 Skipped: 9

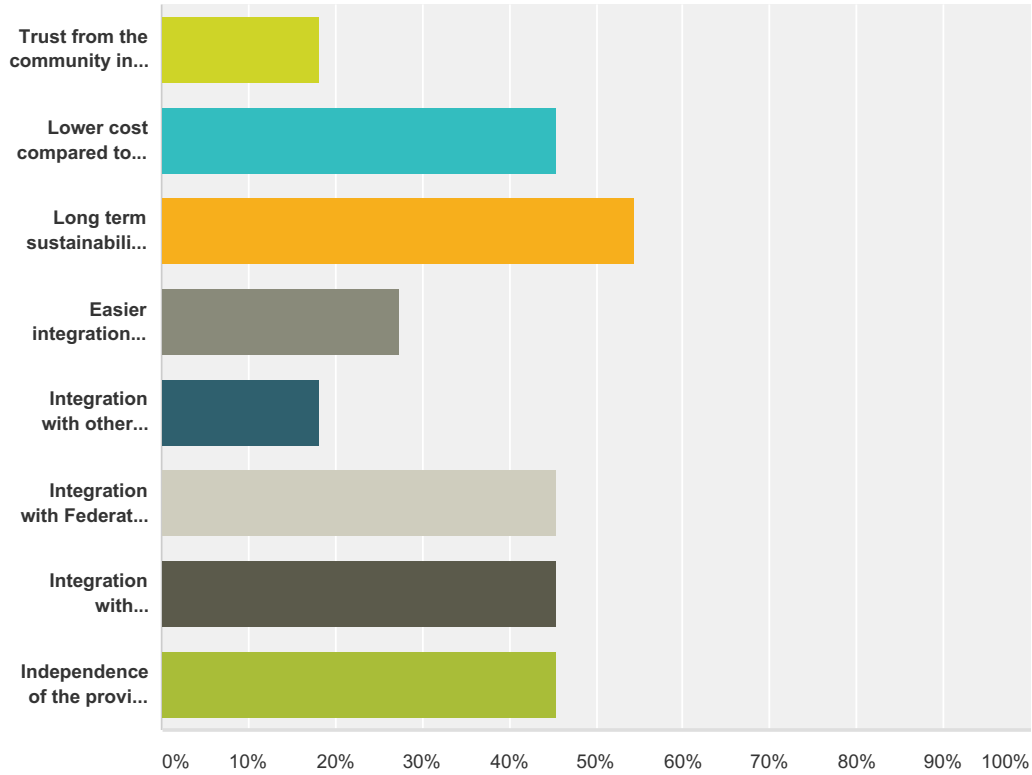


Answer Choices	Responses
No – only an NREN provided or authorised service would be suitable	27.27% 3
If services were provided via the NREN/Federation with NREN/Federation branding	45.45% 5
If the service was co-branded with the NREN and GÉANT	9.09% 1
Yes – no conditions	18.18% 2
Total	11

#	Please let us know any extra detail useful for understanding your answer	Date
1	we already offer this kind of service	10/8/2016 10:56 AM
2	We would need to engage with our community more deeply to understand sensitivities. As well terms of service (i.e. cost and SLAs) would need to be better understood.	10/6/2016 9:59 PM
3	Privacy laws make it hard to outsource any of the work internationally	10/6/2016 9:29 PM
4	I can't answer this authoritatively	10/6/2016 4:52 PM
5	But less recommended than our own :-)	10/6/2016 10:30 AM

Q11 What would you consider to be the principle advantages of a GEANT provided and managed Cloud based solution for the IDP?

Answered: 11 Skipped: 9

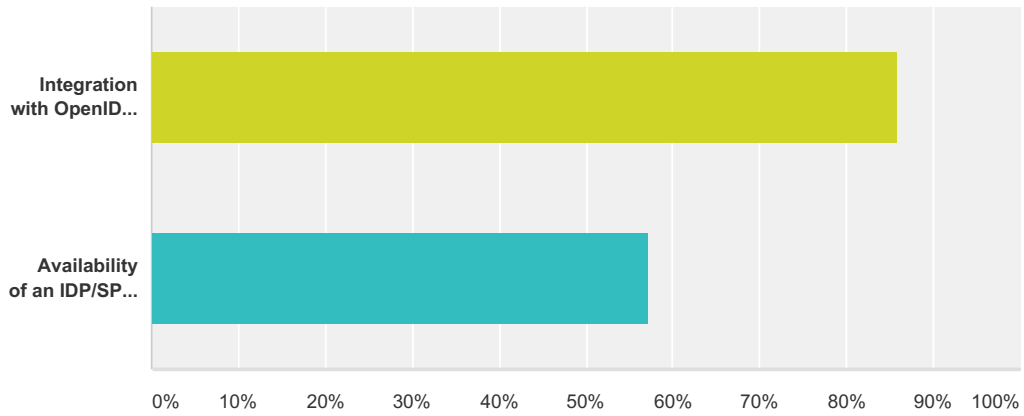


Answer Choices	Responses
Trust from the community in the GEANT brand as an R&E specialist and GEANT community development teams providing skills and experience.	18.18% 2
Lower cost compared to commercial offerings	45.45% 5
Long term sustainability of the provided solution	54.55% 6
Easier integration with eduGAIN and easier implementation of policies and relevant features like Entity Categories	27.27% 3
Integration with other GEANT related services (for example : a combined SAML and eduroam Radius IDP?)	18.18% 2
Integration with Federation as a Service/typical federation best practice	45.45% 5
Integration with VO/Community relevant tools like Attribute Authorities and group management tools (e.g. eduTEAMS Comanage, Grouper,HEXXA, Perun etc....)	45.45% 5
Independence of the provided solution from specific commercial concerns	45.45% 5
Total Respondents: 11	

#	Other (please specify)	Date
1	Outsource to specialists.	10/6/2016 9:59 PM
2	Cost may not be lower	10/6/2016 10:44 AM

Q12 What added value service offerings within a managed IDP would be of benefit?

Answered: 7 Skipped: 13

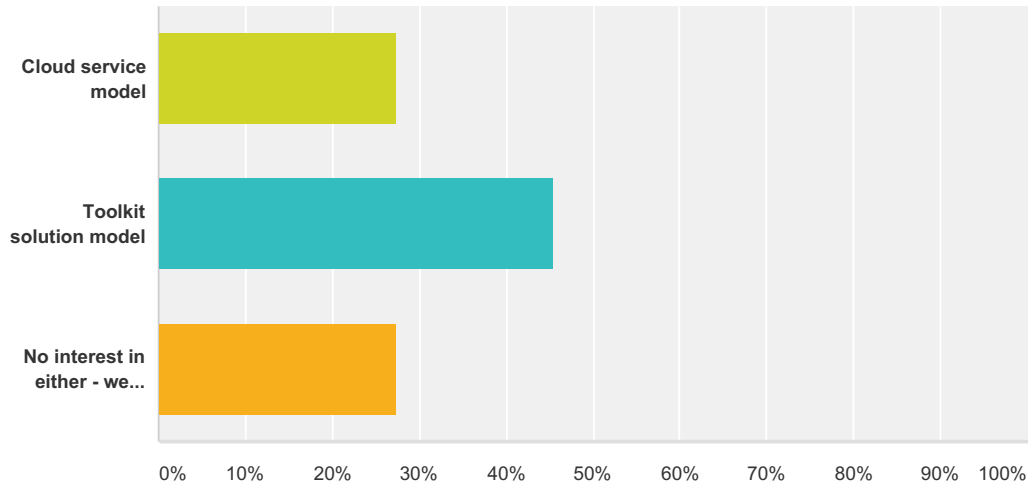


Answer Choices	Responses
Integration with OpenID Connect/OAuth2 in the same node	85.71% 6
Availability of an IDP/SP proxy bridging towards OAuth2/OIDC	57.14% 4
Total Respondents: 7	

#	Other (please specify)	Date
1	integration with eduroam infrastructure via. RADIUSaaS	10/8/2016 10:56 AM
2	Monitoring and audit reports	10/6/2016 10:44 AM
3	URL-rewriting web proxy, eduroam IdP, Moonshot IdP	10/6/2016 10:30 AM

Q13 As an alternative to a service implemented and operated by GÉANT, a toolkit solution enabling the NREN or federations to deploy IdP facilities for their organisations may be offered. Which of the models do you prefer?

Answered: 11 Skipped: 9

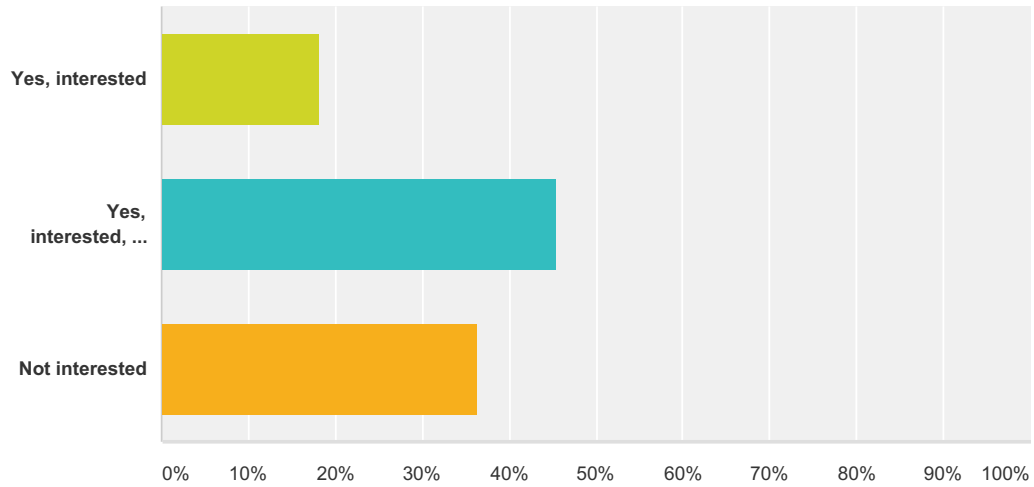


Answer Choices	Responses
Cloud service model	27.27% 3
Toolkit solution model	45.45% 5
No interest in either - we have our own solution	27.27% 3
Total	11

#	Something else	Date
1	Not convinced Canadian Market would adopt outsourced IdPs.	10/6/2016 9:59 PM
2	Could obviate the need for our own toolkit, if it were a suitable solution	10/6/2016 9:29 PM
3	Both?	10/6/2016 4:52 PM

Q14 Would your Identity federation / NREN, be interested in providing a Cloud based IDP service for the Community directly or on behalf of GÉANT?

Answered: 11 Skipped: 9



Answer Choices	Responses	
Yes, interested	18.18%	2
Yes, interested, as a charged service	45.45%	5
Not interested	36.36%	4
Total		11

Q15 Market Potential

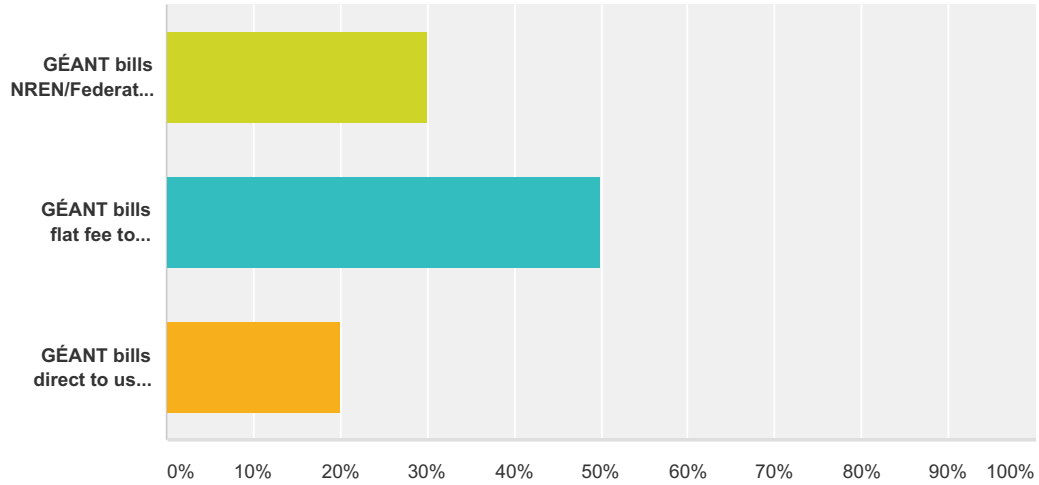
Answered: 10 Skipped: 10

Answer Choices	Responses
Do you have an estimate of how many campuses in your organisation would benefit from such a service?	70.00% 7
Do you have an estimate of the effort spent by your organisation on supporting campuses who do not have the in-house skills or experience to manage their IdPs?	90.00% 9

#	Do you have an estimate of how many campuses in your organisation would benefit from such a service?	Date
1	Potentially all of them, but we already offer IdPaaS and eduroamaaS available to all of them.	10/8/2016 11:00 AM
2	10-15	10/7/2016 12:20 PM
3	No, I don't have any estimate.	10/6/2016 12:13 PM
4	15	10/6/2016 10:46 AM
5	Many hundreds	10/6/2016 10:30 AM
6	25-50	10/6/2016 9:54 AM
7	12	10/5/2016 2:23 PM
#	Do you have an estimate of the effort spent by your organisation on supporting campuses who do not have the in-house skills or experience to manage their IdPs?	Date
1	/	10/8/2016 11:00 AM
2	not currently	10/7/2016 12:20 PM
3	.75 FTE	10/6/2016 10:02 PM
4	DSpace	10/6/2016 12:15 PM
5	Yes, it's about hours per organization while deploying an IdP.	10/6/2016 12:13 PM
6	3 days per client per year	10/6/2016 10:46 AM
7	3 FTE	10/6/2016 10:30 AM
8	fff	10/6/2016 7:57 AM
9	13	10/5/2016 2:23 PM

Q16 What cost recovery mechanism would you prefer for an IdP service, in particular beyond the funding horizon of the current GÉANT project.

Answered: 10 Skipped: 10

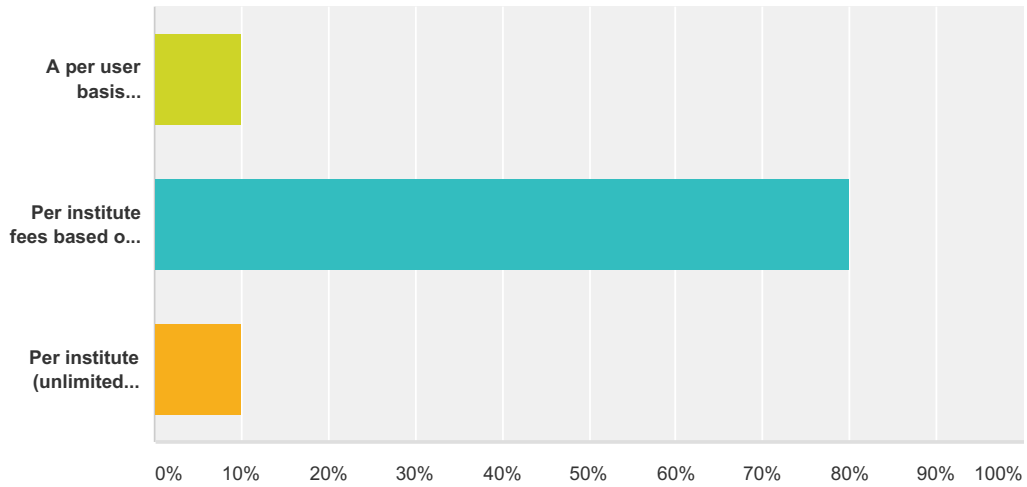


Answer Choices	Responses
GÉANT bills NREN/Federation on a per institute/ user basis for onward charging	30.00% 3
GÉANT bills flat fee to NREN/Federation	50.00% 5
GÉANT bills direct to user institution as directed by NREN/Federation	20.00% 2
Total	10

#	Other (please specify)	Date
1	/	10/8/2016 11:00 AM
2	get another funding and make it available freely	10/6/2016 6:00 PM

Q17 What charging structure would best fit your organisation and your users

Answered: 10 Skipped: 10



Answer Choices	Responses
A per user basis (commercial rates ~€2-4 per user per month)	10.00% 1
Per institute fees based on user numbers. (for example <1000 users, 1001-5000, 5001+ users)	80.00% 8
Per institute (unlimited user)	10.00% 1
Total	10

#	Other (please specify)	Date
1	/	10/8/2016 11:00 AM
2	none	10/6/2016 6:00 PM
3	Per institute based on existing banding structures between the NREN and organisation.	10/6/2016 10:30 AM

Q18 Could you provide contact information if we have any follow-up questions or you would like copies of the results.

Answered: 9 Skipped: 11

Answer Choices	Responses
Name	100.00% 9
Company	100.00% 9
Address	0.00% 0
Address 2	0.00% 0
City/Town	0.00% 0
State/Province	0.00% 0
ZIP/Postal Code	0.00% 0
Country	0.00% 0
Email Address	100.00% 9
Phone Number	0.00% 0

#	Name	Date
1	Blaž Divjak	10/8/2016 11:00 AM
2	Ioannis Kakavas	10/7/2016 12:20 PM
3	Randy Jones	10/6/2016 10:02 PM
4	Nicholas Roy	10/6/2016 4:53 PM
5	Ivan Masar	10/6/2016 12:15 PM
6	Jan Oppolzer	10/6/2016 12:13 PM
7	Glenn Wearen	10/6/2016 10:46 AM
8	Rhys Smith	10/6/2016 10:30 AM
9	Karl	10/6/2016 10:29 AM

#	Company	Date
1	ARNES	10/8/2016 11:00 AM
2	GRNET S.A.	10/7/2016 12:20 PM
3	CANARIE Inc.	10/6/2016 10:02 PM
4	Internet2/InCommon	10/6/2016 4:53 PM
5	Tomas Bata University in Zlín, Czech Republic	10/6/2016 12:15 PM
6	CESNET	10/6/2016 12:13 PM
7	HEAnet	10/6/2016 10:46 AM
8	Jisc	10/6/2016 10:30 AM
9	GEANT	10/6/2016 10:29 AM

#	Address	Date
	There are no responses.	

Cloud IdP NREN Survey

#	Address 2	Date
	There are no responses.	
#	City/Town	Date
	There are no responses.	
#	State/Province	Date
	There are no responses.	
#	ZIP/Postal Code	Date
	There are no responses.	
#	Country	Date
	There are no responses.	
#	Email Address	Date
1	blaz@arnes.si	10/8/2016 11:00 AM
2	ikakavas@noc.grnet.gr	10/7/2016 12:20 PM
3	rjones@canarie.ca	10/6/2016 10:02 PM
4	nroy@internet2.edu	10/6/2016 4:53 PM
5	imasar@k.utb.cz	10/6/2016 12:15 PM
6	jan.oppolzer@cesnet.cz	10/6/2016 12:13 PM
7	glenn.wearen@heanet.ie	10/6/2016 10:46 AM
8	rhys.smith@jisc.ac.uk	10/6/2016 10:30 AM
9	karl.meyer@geant.org	10/6/2016 10:29 AM
#	Phone Number	Date
	There are no responses.	