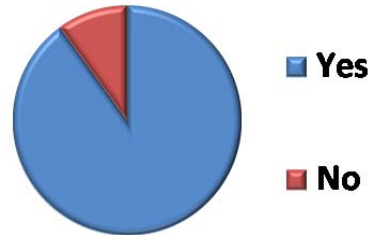


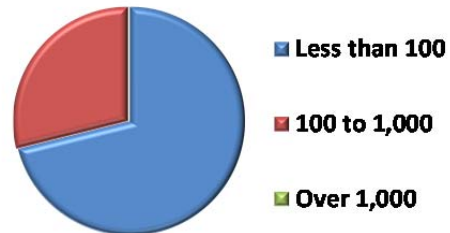
Do you use digital certificates on z/OS?

Responses	Count	Percent %
Yes	45	90.0%
No	5	10.0%
Total	50	100%



What is the highest number of digital certificates stored on any one of your production z/OS systems?

Number Range	Count	Percent %
Less than 100	32	71.1%
100 to 1,000	13	28.9%
Over 1,000	0	0%
Total	45	100%



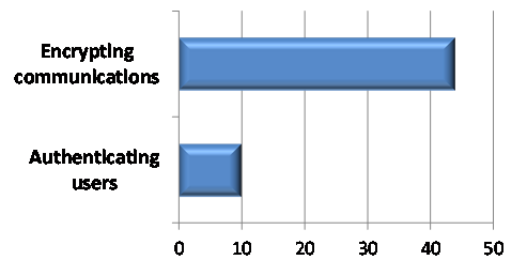
Are you acting as your own CA and issuing certificates?

Responses	Count	Percent %
No	9	20.0%
Yes, for some certificates	33	73.3%
Yes, for all certificates	3	6.7%
Total	45	100%



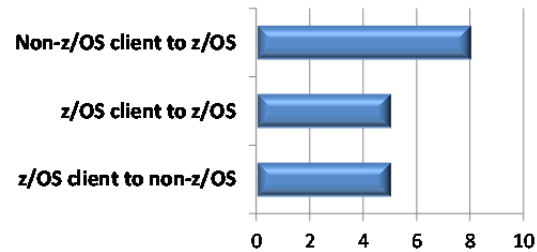
How are you using digital certificates?

Responses	Count	Percent %
Encrypting communications (SSL/TLS) to z/OS application	44	97.8%
Authenticating users using certificates instead of user ID and password	10	22.2%
Responses	50	



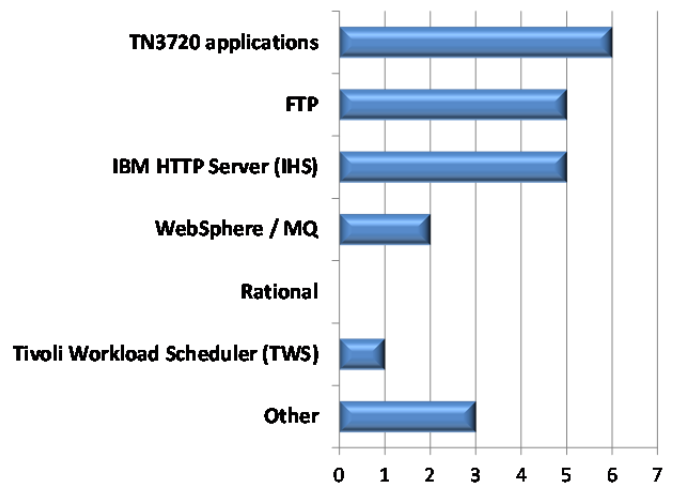
Where are the clients and the servers to which users are being authenticated?

Responses	Count	Percent %
Non-z/OS client (e.g., Windows user) to z/OS server application	8	80.0%
z/OS client (e.g., FTP user) to z/OS server application	5	50.0%
z/OS client (e.g., FTP user) to non-z/OS server application	5	50.0%
Responses	10	



What z/OS server applications are authenticating clients (users) using digital certificates?

Usage	Count	Percent %
TN3270 applications	6	66.7%
FTP	5	55.6%
IBM HTTP Server (IHS)	5	55.6%
WebSphere / MQ	2	22.2%
Rational	0	0%
Tivoli Workload Scheduler (TWS)	1	0%
Other: IBM Tivoli Directory Server (2) Webservices	3	33.3%
Responses	9	



Special thanks to Wai Choi of IBM and Nigel Pentland for their assistance in designing and testing this survey.