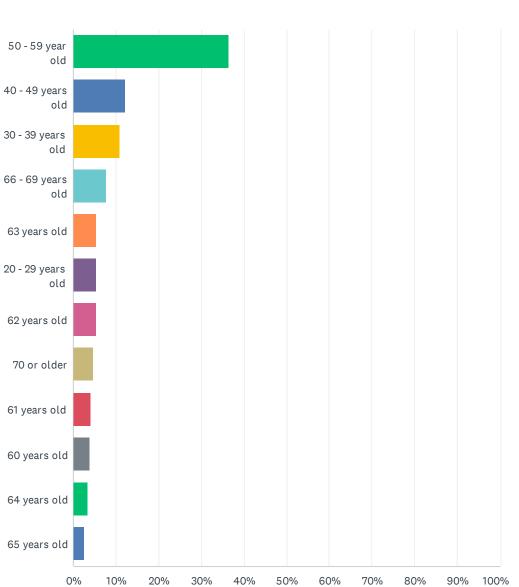
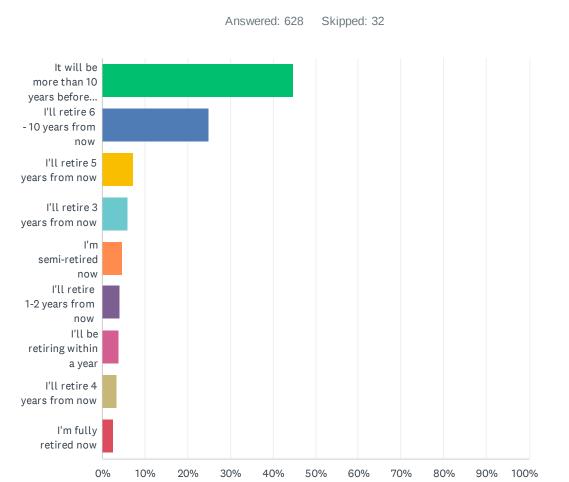
Q1 If you're an RPG programmer, what age group do you fall into?



Answered: 631 Skipped: 29

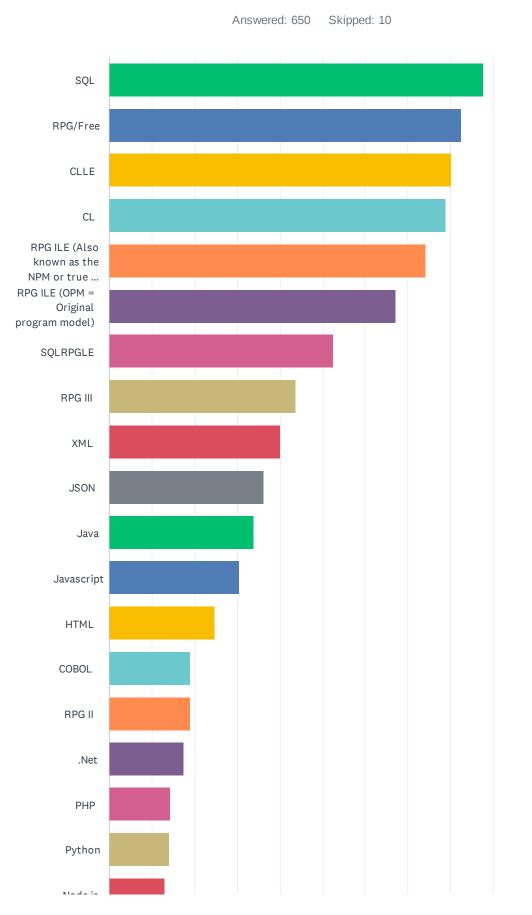
ANSWER CHOICES	RESPONSES	
50 - 59 year old	36.45%	230
40 - 49 years old	12.20%	77
30 - 39 years old	10.78%	68
66 - 69 years old	7.61%	48
63 years old	5.39%	34
20 - 29 years old	5.23%	33
62 years old	5.23%	33
70 or older	4.60%	29
61 years old	4.12%	26
60 years old	3.80%	24
64 years old	3.49%	22
65 years old	2.54%	16
Total Respondents: 631		

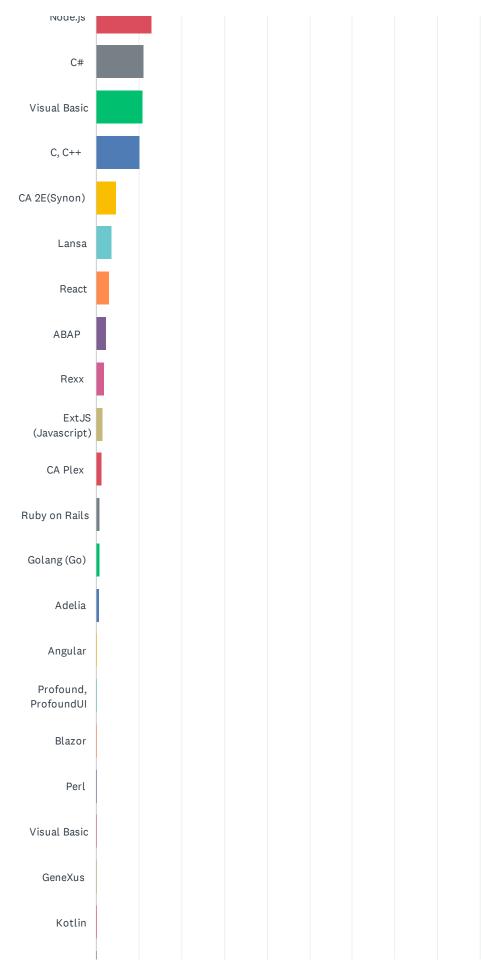


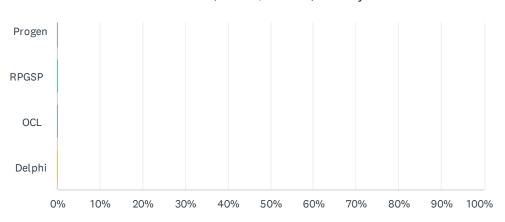
Q2 If you're an RPG programmer, when do you plan to retire?

ANSWER CHOICES	RESPONSES	
It will be more than 10 years before I'm ready to retire	44.75%	281
I'll retire 6 - 10 years from now	24.84%	156
I'll retire 5 years from now	7.32%	46
I'll retire 3 years from now	6.05%	38
I'm semi-retired now	4.78%	30
I'll retire 1-2 years from now	4.14%	26
I'll be retiring within a year	3.82%	24
I'll retire 4 years from now	3.50%	22
I'm fully retired now	2.55%	16
Total Respondents: 628		





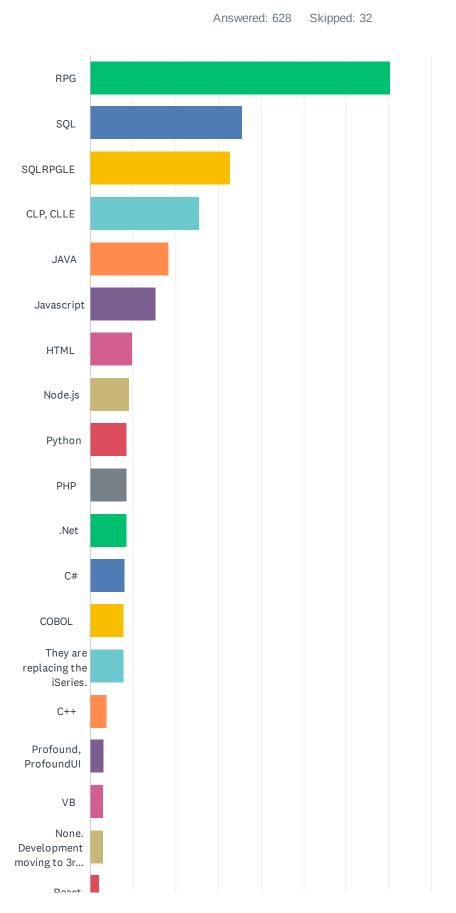


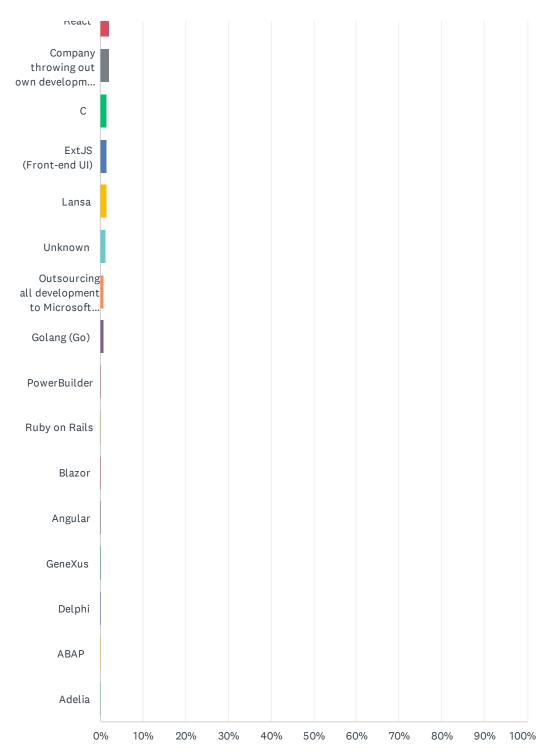


ANSWER CHOICES	RESPONSES	
SQL	87.69%	570
RPG/Free	82.46%	536
CLLE	80.15%	521
CL	78.92%	513
RPG ILE (Also known as the NPM or true RPG ILE)	74.15%	482
RPG ILE (OPM = Original program model)	67.23%	437
SQLRPGLE	52.46%	341
RPG III	43.69%	284
XML	40.15%	261
JSON	36.31%	236
Java	33.85%	220
Javascript	30.46%	198
HTML	24.77%	161
COBOL	19.08%	124
RPG II	18.92%	123
.Net	17.54%	114
PHP	14.31%	93
Python	14.15%	92
Node.js	13.08%	85
C#	11.08%	72
Visual Basic	10.92%	71
C, C++	10.15%	66
CA 2E(Synon)	4.62%	30
Lansa	3.69%	24
React	2.92%	19
АВАР	2.31%	15
Rexx	1.85%	12
ExtJS (Javascript)	1.54%	10
CA Plex	1.23%	8
Ruby on Rails	0.77%	5
Golang (Go)	0.77%	5
Adelia	0.62%	4

Angular Profound, ProfoundUI	0.31% 	2
Blazor	0.15%	1
Perl	0.15%	1
Visual Basic	0.15%	1
GeneXus	0.15%	1
Kotlin	0.15%	1
Progen	0.15%	1
RPGSP	0.15%	1
OCL	0.15%	1
Delphi	0.15%	1
Total Respondents: 650		

Q4 What languages are you standardizing on for new development?

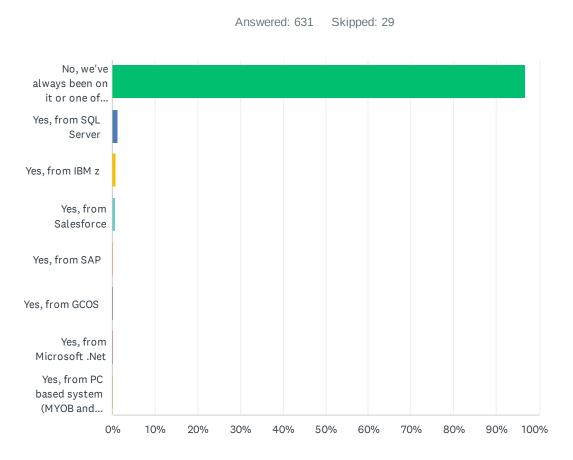




ANSWER CHOICES	RESPONS	ES
RPG	70.38%	442
SQL	35.51%	223
SQLRPGLE	32.80%	206
CLP, CLLE	25.64%	161
JAVA	18.31%	115
Javascript	15.45%	97
HTML	9.71%	61
Node.js	9.24%	58
Python	8.60%	54
PHP	8.44%	53
.Net	8.44%	53
C#	8.12%	51
COBOL	7.96%	50
They are replacing the iSeries.	7.96%	50
C++	3.82%	24
Profound, ProfoundUI	3.18%	20
VB	3.03%	19
None. Development moving to 3rd party application providers.	3.03%	19
React	2.07%	13
Company throwing out own development system and going to purchase a standard system	2.07%	13
C	1.59%	10
ExtJS (Front-end UI)	1.43%	9
Lansa	1.43%	9
Unknown	1.27%	8
Outsourcing all development to Microsoft platform with SQL	0.96%	6
Golang (Go)	0.80%	5
PowerBuilder	0.32%	2
Ruby on Rails	0.32%	2
Blazor	0.16%	1
Angular	0.16%	1
GeneXus	0.16%	1
Delphi	0.16%	1

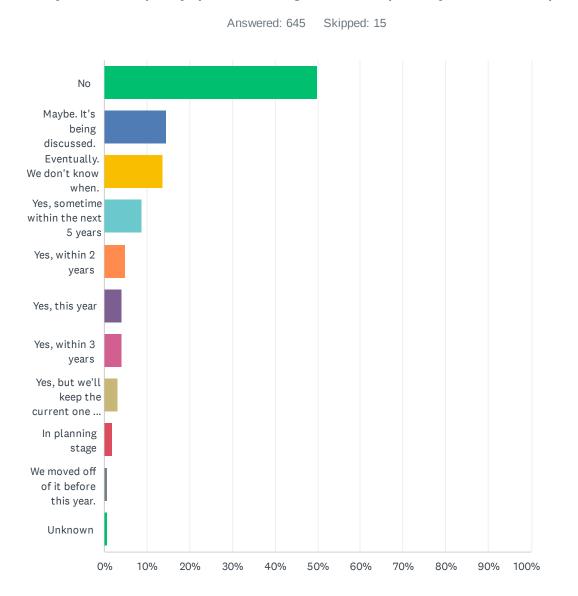
ABAP		0.16%	1
Adelia		0.16%	1
Total Re	spondents: 628		

Q5 Did your company migrate to IBM i from a different platform during the last 3 years? (If so, from which platform?)



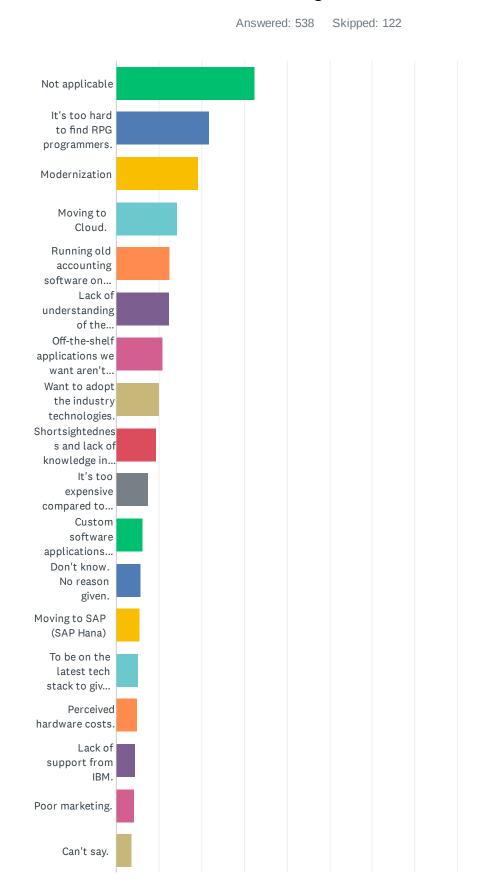
ANSWER CHOICES	RESPONSES	
No, we've always been on it or one of its predecessors.	96.83%	611
Yes, from SQL Server	1.27%	8
Yes, from IBM z	0.79%	5
Yes, from Salesforce	0.63%	4
Yes, from SAP	0.32%	2
Yes, from GCOS	0.16%	1
Yes, from Microsoft .Net	0.16%	1
Yes, from PC based system (MYOB and Quickbooks)	0.16%	1
Total Respondents: 631		

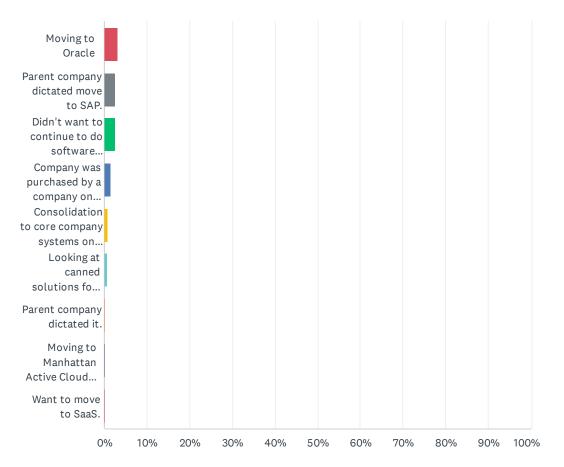
Q6 Does your company plan to migrate completely off of the platform?



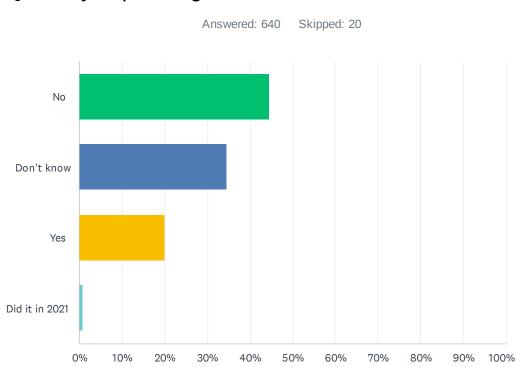
ANSWER CHOICES	RESPONSES	
No	49.92%	322
Maybe. It's being discussed.	14.57%	94
Eventually. We don't know when.	13.64%	88
Yes, sometime within the next 5 years	8.68%	56
Yes, within 2 years	4.81%	31
Yes, this year	4.03%	26
Yes, within 3 years	4.03%	26
Yes, but we'll keep the current one for historical purposes for a couple of years.	3.26%	21
In planning stage	2.02%	13
We moved off of it before this year.	0.62%	4
Unknown	0.62%	4
Total Respondents: 645		

Q7 If your company is migrating off of IBM i, what are the main reasons for doing it?



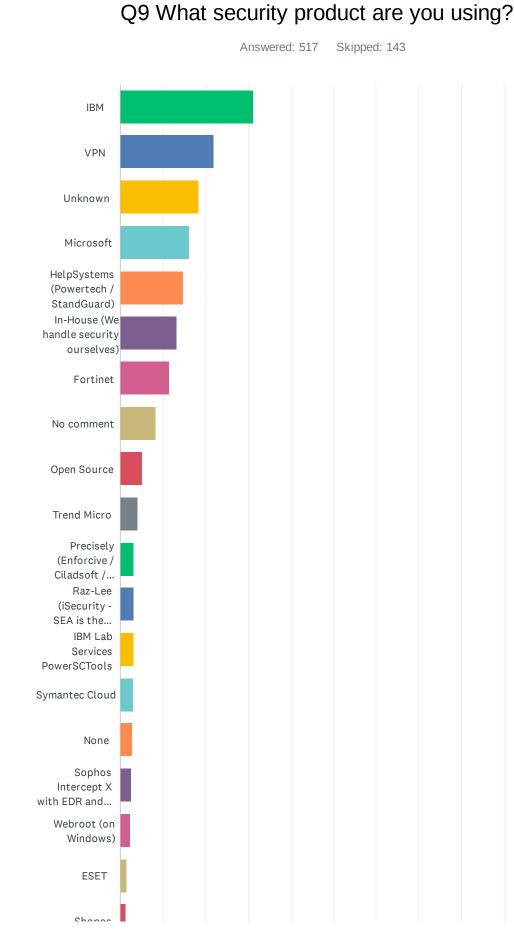


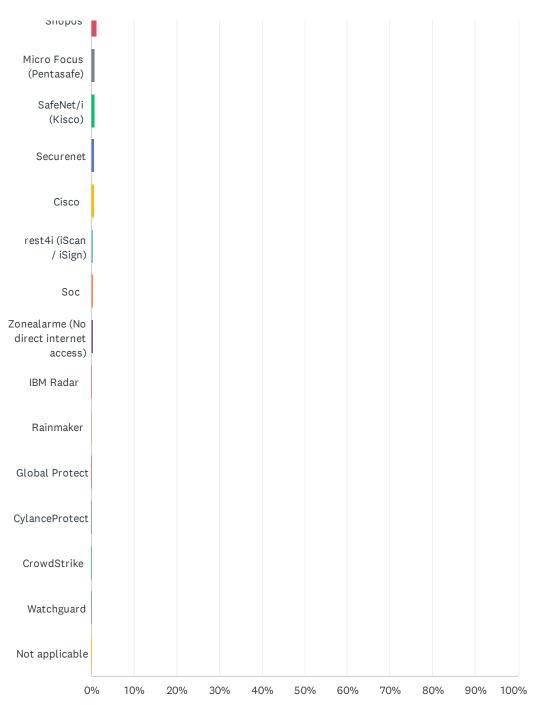
ANSWER CHOICES	RESPONSE	ES
Not applicable	32.34%	174
It's too hard to find RPG programmers.	21.75%	117
Modernization	19.14%	103
Moving to Cloud.	14.31%	77
Running old accounting software on green screen. Perception is IBM i is old technology.	12.64%	68
Lack of understanding of the capabilities of the platform.	12.45%	67
Off-the-shelf applications we want aren't available for the IBM i.	10.78%	58
Want to adopt the industry technologies.	10.04%	54
Shortsightedness and lack of knowledge in leadership.	9.48%	51
It's too expensive compared to similar systems.	7.43%	40
Custom software applications, browser / web-based	6.13%	33
Don't know. No reason given.	5.76%	31
Moving to SAP (SAP Hana)	5.58%	30
To be on the latest tech stack to give customers confidence we aren't outdated.	5.02%	27
Perceived hardware costs.	4.83%	26
Lack of support from IBM.	4.46%	24
Poor marketing.	4.28%	23
Can't say.	3.53%	19
Moving to Oracle	3.16%	17
Parent company dictated move to SAP.	2.60%	14
Didn't want to continue to do software development.	2.60%	14
Company was purchased by a company on Microsoft platform.	1.49%	8
Consolidation to core company systems on Microsoft Dynamics.	0.93%	5
Looking at canned solutions for K12.	0.56%	3
Parent company dictated it.	0.19%	1
Moving to Manhattan Active Cloud WMS system.	0.19%	1
Want to move to SaaS.	0.19%	1
Total Respondents: 538		



ANSWER CHOICES	RESPONSES	
No	44.53%	285
Don't know	34.53%	221
Yes	20.00%	128
Did it in 2021	0.94%	6
TOTAL		640

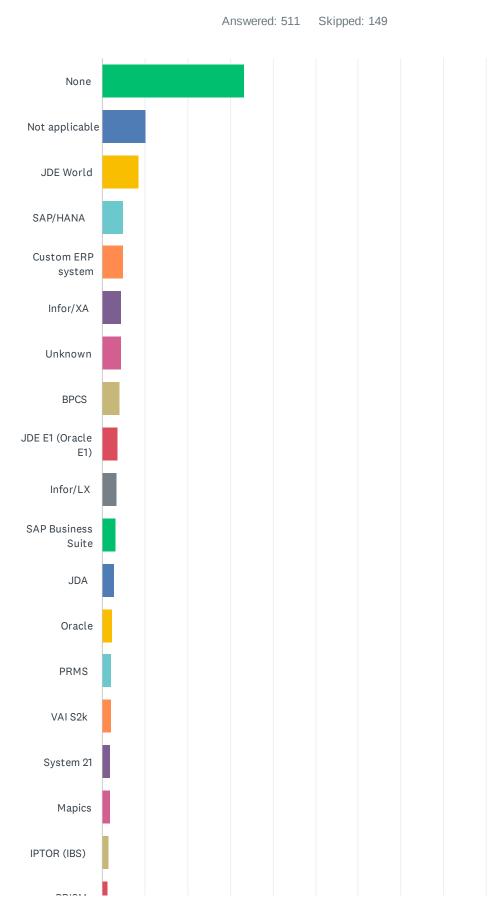
Q8 Are you planning an IBM i hardware refresh in 2022?



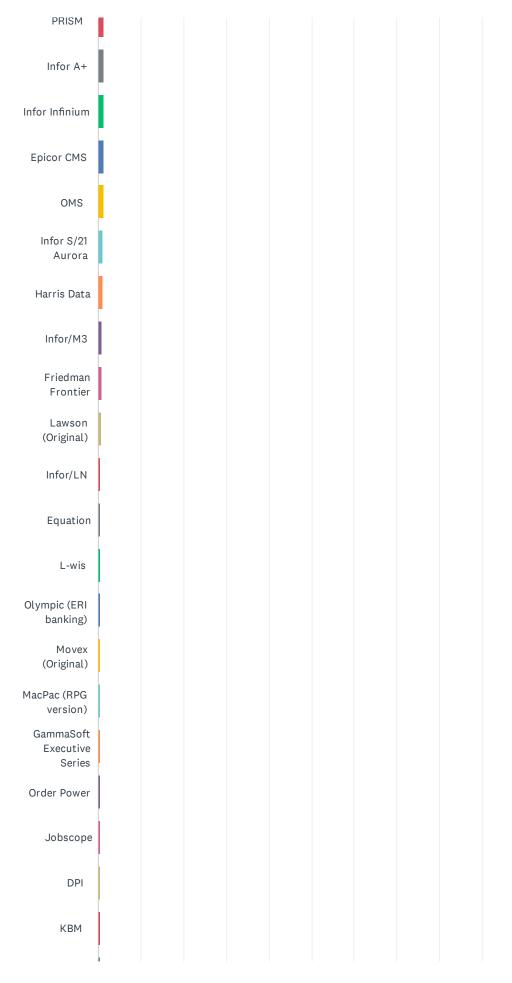


IBM31.14%161VPN2.05%1.14Linknown13.3%95Microsoft16.25%97HelpSystems (Powerlech / StandGuard)10.70%78In-Hoac (We handle security ourselves)10.10%700No comment8.32%700No comment6.32%700Open Source50%20%Tend Moro40%21%Precisely (Enforcive / Clastoft / Townsend Security)20%700Nachae (Security - SEA Is the North America reseller)20%71%Nachae (Security - SEA Is the North America reseller)20%71%Muk Lab Sorvices PowerSCTools20%71%Synantee Cloud21%71%None21%71%Stoppio15%71%Stoppio21	ANSWER CHOICES	RESPONSES	
Unknown 18.38% 95 Microsoft 16.25% 84 HelpSystems (Powertech / StandGuard) 14.70% 76 In-House (We handle security ourselves) 13.15% 68 Fortniet 16.11% 60 No comment 8.32% 43 Open Source 5.03% 26 Trend Micro 4.66% 21 Precisely (Enforcive / Citadsoft / Townsend Security) 3.29% 17 Raz-Lee (ISecurity - SEA is the North American reseller) 3.09% 16 Symantec Cloud 2.60% 15 None 2.51% 13 Sophos Intercept X with EDR and MTR 2.51% 13 Vebroot (on Windows) 2.32% 12 ESET 1.55% 84 Solopos Intercept X with EDR and MTR 0.58% 3 Solopos Conce (Pertasafe) 0.77% 44 Solopos (Intercept Y with EDR and MTR 0.58% 3 Solopos (Intercept X with EDR and MTR 0.58% 3 Solopos (Intercept Y with EDR and MTR	IBM	31.14%	161
Microsoft 16.29% 84 HelpSystems (Powertech / StandGuard) 14.70% 76 In-House (We handle security ourselves) 13.15% 68 Forninet 16.15% 68 No comment 8.29% 43 Open Source 5.03% 28 Trend Micro 4.06% 21 Precisely (Enforcive / Ciladotf / Townsend Security) 3.29% 17 Raz-Lee (ISecurity - SEA is the North American reseller) 3.09% 16 IM Lab Services PowerSCTools 3.09% 16 Symartec Cloud 2.01% 17 Sophos Intercept X with EDR and MTR 2.51% 18 Velotot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos Cource (Pentasafe) 0.77% 4 Sciencent 0.69% 3 2 Sicoo Focus (Pentasafe) 0.59% 3 2 Sicoo Focus (Pentasafe) 0.69% 3 3 Sicoo Focus (Pentasafe) 0.89% 2 2	VPN	22.05%	114
HelpSystems (Powertech / StandGuard) 14.70% 76 In-House (We handle security ourselves) 13.15% 68 Forninet 11.61% 60 No comment 8.32% 43 Open Source 5.03% 28 Trend Micro 4.06% 21 Precisely (Enforcive / Ciladsoft / Townsend Security) 3.29% 17 Raz-Lee (Security - SEA is the North American reseller) 3.09% 18 IBM Lab Services PowerSCTools 3.09% 18 Symartec Cloud 2.09% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 38 Shopos 1.35% 73 Micro Focus (Pentasafe) 0.77% 44 Securenet 5.58% 33 Cisco 3.39% 22 22 Soc 3.39% 23 22 IMicro Focus (Pentasafe) 0.39% 23 23 Soc 3.39% 23 23 Soc 3.39% 23	Unknown	18.38%	95
In-House (We handle security ourselves) 13.15% 68 Fortinet 11.61% 60 No comment 8.32% 43 Open Source 503% 26 Trend Micro 406% 21 Precisely (Enforcive / Ciladsoft / Townsend Security) 3.29% 17 Raz-Lee (iSecurity - SEA is the North American reseller) 309% 16 IBM Lab Services PowerSCTools 309% 16 Symantec Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Vebroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 0.77% 4 Securenet 0.58% 3 Oses 0.39% 2 Zoco 0.39% 2 Soc 0.39% 2 Soco 0.39% 2 Zoco 0.39% 2 Zocoalarme (No direct internet access) 0.39% 2	Microsoft	16.25%	84
Fortinet 11.61% 60 No comment 8.32% 43 Open Source 5.03% 26 Trend Micro 4.06% 21 Precisely (Enforcive / Ciladsoft / Townsend Security) 3.29% 17 Raz-Lee (Security - SEA is the North American reseller) 3.09% 16 IBM Lab Services PowerSCTools 3.09% 16 Symante: Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Sophos Intercept X with EDR and MTR 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasale) 0.77% 4 Securenet 0.58% 3 Soc 0.39% 2 2 Soc 0.39% 2 2 IM Radar 0.19% 11.61% 11.61% Global Protect 0.19% 11.61% 11.61%	HelpSystems (Powertech / StandGuard)	14.70%	76
No comment 8.32% 43 Open Source 5.03% 26 Trend Micro 4.06% 21 Precisely (Entrocive / Ciladsott / Townsend Security) 3.29% 17 Raz-Lee (Security - SEA is the North American reseller) 3.09% 18 Symantec Cloud 3.09% 18 Symantec Cloud 2.90% 18 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 88 Shopos 1.35% 7 Micro Focus (Pentasate) 0.77% 44 Securenet 0.58% 3 Cisco 0.39% 2 2 Soc 0.39% 2 2 IBM Radar 0.19% 1 3 Rarmaker 0.19% 1 1 Global Protect 0.19% 1 1 Global Protect 0.19% 1 1	In-House (We handle security ourselves)	13.15%	68
Open Source 5.03% 26 Trend Micro 4.06% 21 Precisely (Enforcive / Citadsoft / Townsend Security) 3.29% 17 Raz-Lee (iSecurity - SEA is the North American reseller) 3.09% 16 IBM Lab Services PowerSCTools 3.09% 16 Symantec Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.22% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 44 Securenet 0.58% 3 Cisco 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 1 Rainmaker 0.19% 1 1 Global Protect 0.19% 1 1 Global Protect 0.19% 1 1	Fortinet	11.61%	60
Trend Micro 4.06% 21 Precisely (Enforcive / Ciladsoft / Townsend Security) 3.29% 17 Raz-Lee (ISecurity - SEA is the North American reseller) 3.09% 16 IBM Lab Services PowerSCTools 3.09% 16 Symantec Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 44 SaleNetri (Kisco) 0.77% 44 Securenet 0.58% 3 Cisco 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 1 Rainmaker 0.19% 1 1 Global Protect 0.19% 1 1 Global Protect 0.19% 1 1	No comment	8.32%	43
Precisely (Enforcive / Ciladoft / Townsend Security) 3.29% 17 Raz-Lee (iSecurity - SEA is the North American reseller) 3.09% 16 IBM Lab Services PowerSCTools 3.09% 16 Symantec Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 Securenet 0.59% 3 Cisco 0.59% 3 Gosc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1	Open Source	5.03%	26
Raz-Lee ((Security - SEA is the North American reseller) 3.09% 16 IBM Lab Services PowerSCTools 3.09% 16 Symantec Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 Soc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Trend Micro	4.06%	21
IBM Lab Services PowerSCTools 3.09% 16 Symantec Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 SateNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Precisely (Enforcive / Ciladsoft / Townsend Security)	3.29%	17
Symante Cloud 2.90% 15 None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 SateNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 Soci 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CylanceProtect 0.19% 1	Raz-Lee (iSecurity - SEA is the North American reseller)	3.09%	16
None 2.71% 14 Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.7% 4 SateNet/i (Kisco) 0.7% 4 Securenet 0.58% 3 Cisco 0.58% 3 Gobal Protect Internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	IBM Lab Services PowerSCTools	3.09%	16
Sophos Intercept X with EDR and MTR 2.51% 13 Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 SafeNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 rest4i (Scan / iSign) 0.39% 2 Soc 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Symantec Cloud	2.90%	15
Webroot (on Windows) 2.32% 12 ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 SafeNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 Soc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CrowdStrike 0.19% 1	None	2.71%	14
ESET 1.55% 8 Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 SafeNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 rest4i (IScan / ISign) 0.39% 2 Soc 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CrowdStrike 0.19% 1	Sophos Intercept X with EDR and MTR	2.51%	13
Shopos 1.35% 7 Micro Focus (Pentasafe) 0.77% 4 SafeNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 rest4i (iScan / iSign) 0.39% 2 Soc 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Webroot (on Windows)	2.32%	12
Micro Focus (Pentasafe) 0.77% 4 SafeNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 rest4i (iScan / iSign) 0.39% 2 Soc 0.39% 2 IBM Radar 0.19% 1 Rainmaker 0.19% 1 Global Protect 0.19% 1 CrowdStrike 0.19% 1	ESET	1.55%	8
SafeNet/i (Kisco) 0.77% 4 Securenet 0.58% 3 Cisco 0.58% 3 rest4i (iScan / iSign) 0.39% 2 Soc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Shopos	1.35%	7
Securenet 0.58% 3 Cisco 0.58% 3 rest4i (iScan / iSign) 0.39% 2 Soc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Micro Focus (Pentasafe)	0.77%	4
Cisco0.58%3rest4i (iScan / iSign)0.39%2Soc0.39%2Zonealarme (No direct internet access)0.39%2IBM Radar0.19%1Global Protect0.19%1CylanceProtect0.19%1CrowdStrike0.19%1	SafeNet/i (Kisco)	0.77%	4
restdi 0.39% 2 Soc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.39% 2 Rainmaker 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Securenet	0.58%	3
Soc 0.39% 2 Zonealarme (No direct internet access) 0.39% 2 IBM Radar 0.19% 1 Rainmaker 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Cisco	0.58%	3
Zonealarme (No direct internet access)0.39%2IBM Radar0.19%1Rainmaker0.19%1Global Protect0.19%1CylanceProtect0.19%1CrowdStrike0.19%1	rest4i (iScan / iSign)	0.39%	2
IBM Radar 0.19% 1 Rainmaker 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Soc	0.39%	2
Rainmaker 0.19% 1 Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Zonealarme (No direct internet access)	0.39%	2
Global Protect 0.19% 1 CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	IBM Radar	0.19%	1
CylanceProtect 0.19% 1 CrowdStrike 0.19% 1	Rainmaker	0.19%	1
CrowdStrike 0.19% 1	Global Protect	0.19%	1
	CylanceProtect	0.19%	1
Watchguard 0.19% 1	CrowdStrike	0.19%	1
	Watchguard	0.19%	1

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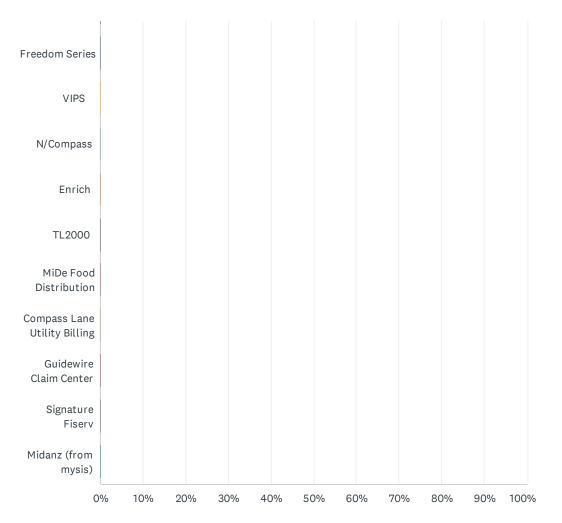


Q10 What ERP package are you using?



Mincron				
TMW				
Smeup				
InforAuto Release				
SAP (didn't specify version)				
SAP ByDesign				
Arcad				
Finastra Fusion Banking				
Central Square (Superion, HTE)				
Nordic				
Oracle Fusion Cloud				
Oracle EBS				
Nutech/Viewoint				
Island Pacific				
SoftwareSirio				
CMS				
Sage X3				
Mozart				
Cerner				
Gama				
Turning Point Systems				

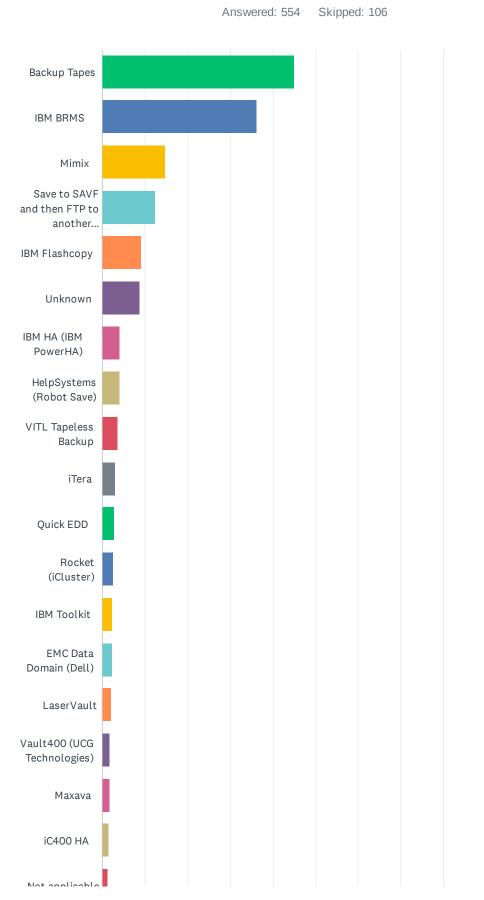




ANSWER CHOICES	RESPONSES	
None	33.27%	170
Not applicable	10.18%	52
JDE World	8.61%	44
SAP/HANA	4.89%	25
Custom ERP system	4.89%	25
Infor/XA	4.50%	23
Unknown	4.50%	23
BPCS	4.11%	21
JDE E1 (Oracle E1)	3.52%	18
Infor/LX	3.33%	17
SAP Business Suite	3.13%	16
JDA	2.74%	14
Oracle	2.35%	12
PRMS	2.15%	11
VAI S2k	2.15%	11
System 21	1.96%	10
Mapics	1.96%	10
IPTOR (IBS)	1.57%	8
PRISM	1.37%	7
Infor A+	1.17%	6
Infor Infinium	1.17%	6
Epicor CMS	1.17%	6
OMS	1.17%	6
Infor S/21 Aurora	0.98%	5
Harris Data	0.98%	5
Infor/M3	0.78%	4
Friedman Frontier	0.78%	4
Lawson (Original)	0.59%	3
Infor/LN	0.39%	2
Equation	0.39%	2
L-wis	0.39%	2
Olympic (ERI banking)	0.39%	2

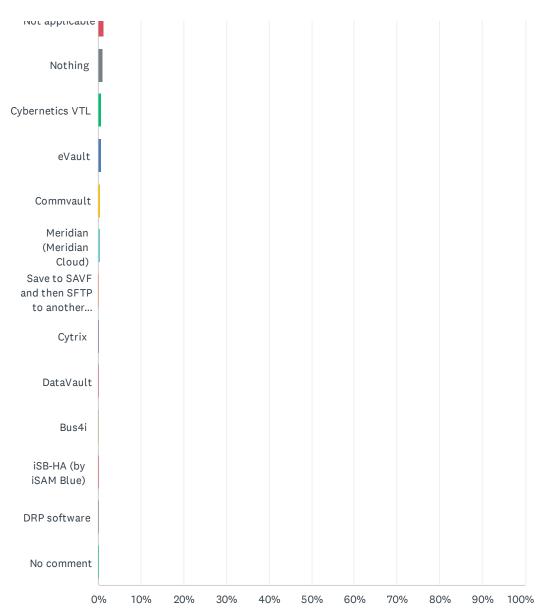
Movex (Original) MacPac (RPG version)	0.39%	2
GammaSoft Executive Series	0.39%	2
Order Power	0.39%	2
Jobscope	0.39%	2
DPI	0.39%	2
KBM	0.39%	2
Mincron	0.39%	2
TMW	0.39%	2
Smeup	0.39%	2
InforAuto Release	0.20%	1
SAP (didn't specify version)	0.20%	1
SAP ByDesign	0.20%	1
Arcad	0.20%	1
Finastra Fusion Banking	0.20%	1
Central Square (Superion, HTE)	0.20%	1
Nordic	0.20%	1
Oracle Fusion Cloud	0.20%	1
Oracle EBS	0.20%	1
Nutech/Viewoint	0.20%	1
Island Pacific	0.20%	1
SoftwareSirio	0.20%	1
CMS	0.20%	1
Sage X3	0.20%	1
Mozart	0.20%	1
Cerner	0.20%	1
Gama	0.20%	1
Turning Point Systems	0.20%	1
Intrepid Evolution	0.20%	1
Cardinal	0.20%	1
Bridge	0.20%	1
		4
ALE	0.20%	1
ALE Synapse	0.20%	1

ICC	0.20%	1
OLYMP INFITEX	0.20%	1
Plex Manufacturing System	0.20%	1
Logimax	0.20%	1
WCS	0.20%	1
LANSA	0.20%	1
H&S	0.20%	1
Conseg Consis International	0.20%	1
Microsoft D365	0.20%	1
Infolog WMS	0.20%	1
VAS	0.20%	1
AFSI Ross	0.20%	1
DSI	0.20%	1
IDS	0.20%	1
ComPlete	0.20%	1
Freedom Series	0.20%	1
VIPS	0.20%	1
N/Compass	0.20%	1
Enrich	0.20%	1
TL2000	0.20%	1
MiDe Food Distribution	0.20%	1
Compass Lane Utility Billing	0.20%	1
Guidewire Claim Center	0.20%	1
Signature Fiserv	0.20%	1
Midanz (from mysis)	0.20%	1
Total Respondents: 511		



Q11 What do you utilize for IBM i backups?

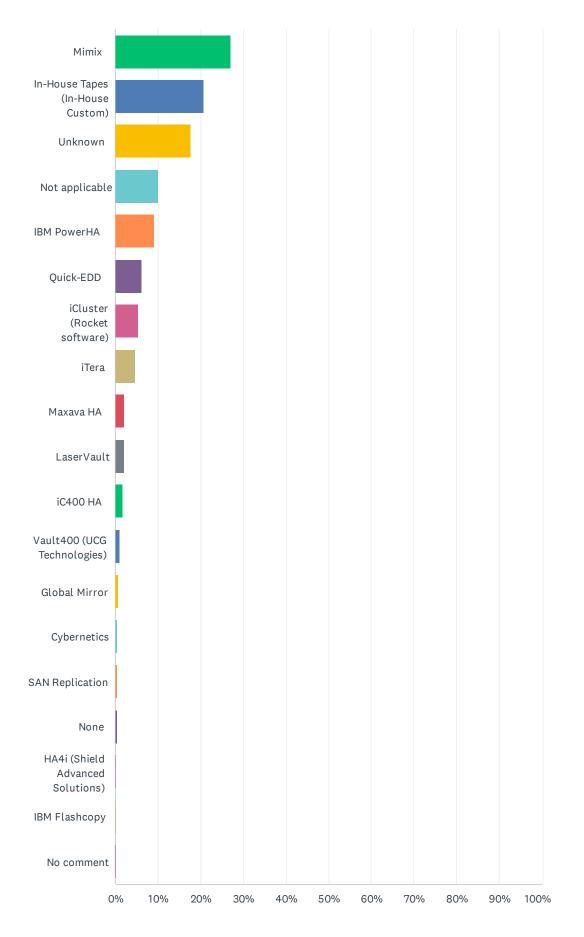
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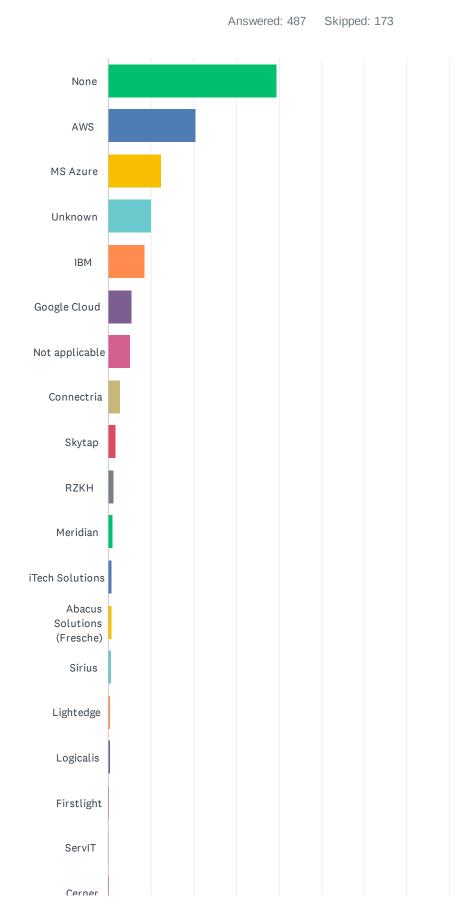
ANSWER CHOICES	RESPONSES	
Backup Tapes	44.95%	249
IBM BRMS	36.28%	201
Mimix	14.80%	82
Save to SAVF and then FTP to another location	12.27%	68
IBM Flashcopy	9.21%	51
Unknown	8.84%	49
IBM HA (IBM PowerHA)	4.15%	23
HelpSystems (Robot Save)	4.15%	23
VITL Tapeless Backup	3.61%	20
iTera	3.07%	17
Quick EDD	2.71%	15
Rocket (iCluster)	2.53%	14
IBM Toolkit	2.35%	13
EMC Data Domain (Dell)	2.35%	13
LaserVault	2.17%	12
Vault400 (UCG Technologies)	1.81%	10
Maxava	1.81%	10
iC400 HA	1.44%	8
Not applicable	1.26%	7
Nothing	1.08%	6
Cybernetics VTL	0.72%	4
eVault	0.54%	3
Commvault	0.36%	2
Meridian (Meridian Cloud)	0.36%	2
Save to SAVF and then SFTP to another location	0.18%	1
Cytrix	0.18%	1
DataVault	0.18%	1
Bus4i	0.18%	1
iSB-HA (by iSAM Blue)	0.18%	1
DRP software	0.18%	1
No comment	0.18%	1
Total Respondents: 554		

Q12 What product do you use for HA/DR (High Availability/Disaster Recovery)?

Answered: 487 Skipped: 173

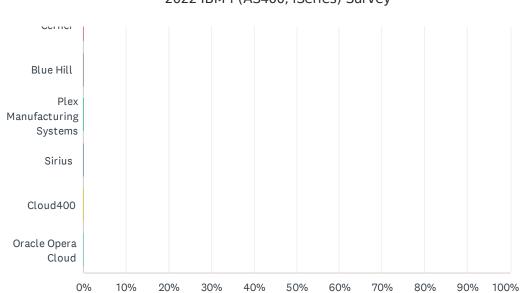


ANSWER CHOICES	RESPONSES	
Mimix	27.10%	132
In-House Tapes (In-House Custom)	20.74%	101
Unknown	17.66%	86
Not applicable	10.06%	49
IBM PowerHA	9.24%	45
Quick-EDD	6.16%	30
iCluster (Rocket software)	5.34%	26
iTera	4.72%	23
Maxava HA	2.05%	10
LaserVault	2.05%	10
iC400 HA	1.64%	8
Vault400 (UCG Technologies)	1.03%	5
Global Mirror	0.62%	3
Cybernetics	0.41%	2
SAN Replication	0.41%	2
None	0.41%	2
HA4i (Shield Advanced Solutions)	0.21%	1
IBM Flashcopy	0.21%	1
No comment	0.21%	1
Total Respondents: 487		



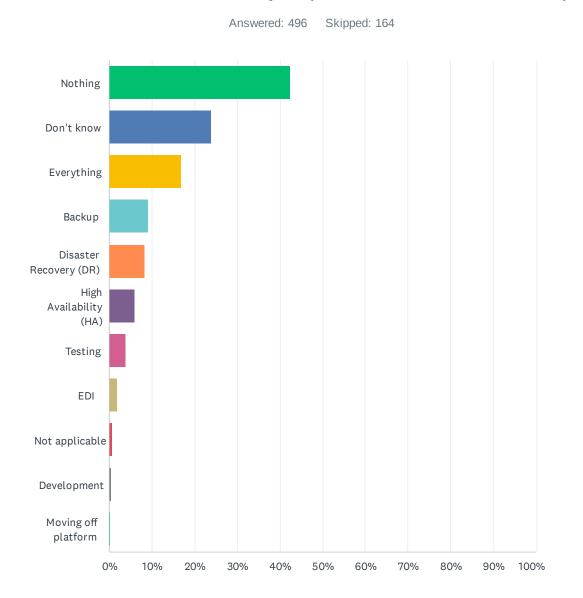
Q13 What cloud hosting company do you use?

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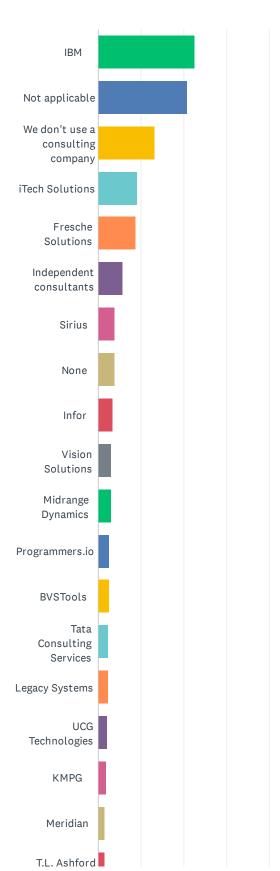
ANSWER CHOICES	RESPONSES	
None	39.43%	192
AWS	20.53%	100
MS Azure	12.32%	60
Unknown	10.06%	49
IBM	8.62%	42
Google Cloud	5.54%	27
Not applicable	5.13%	25
Connectria	2.87%	14
Skytap	1.64%	8
RZKH	1.23%	6
Meridian	1.03%	5
iTech Solutions	0.82%	4
Abacus Solutions (Fresche)	0.82%	4
Sirius	0.62%	3
Lightedge	0.41%	2
Logicalis	0.41%	2
Firstlight	0.21%	1
ServIT	0.21%	1
Cerner	0.21%	1
Blue Hill	0.21%	1
Plex Manufacturing Systems	0.21%	1
Sirius	0.21%	1
Cloud400	0.21%	1
Oracle Opera Cloud	0.21%	1
Total Respondents: 487		

Q14 What IBM i workloads do you plan to move to the cloud (if any)?

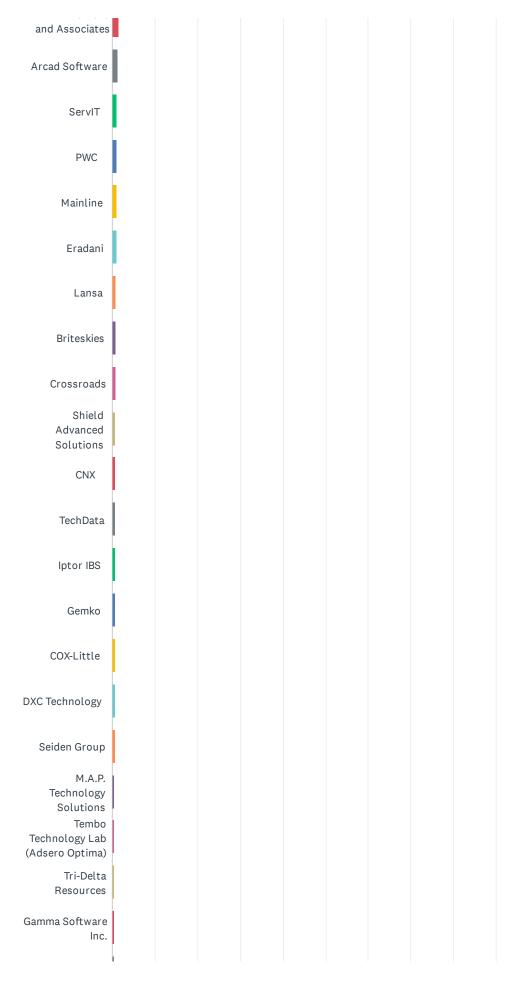


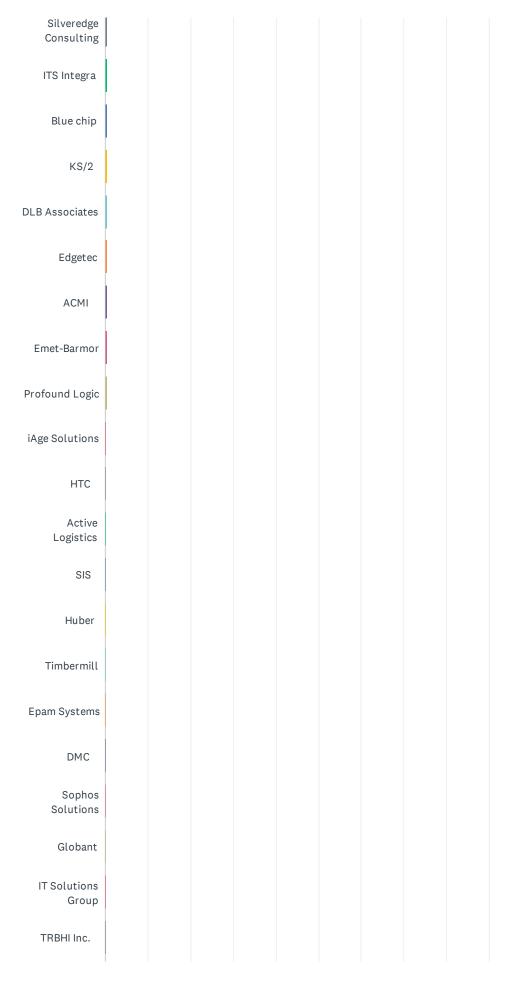
ANSWER CHOICES	RESPONSES	
Nothing	42.34%	210
Don't know	23.79%	118
Everything	16.94%	84
Backup	9.07%	45
Disaster Recovery (DR)	8.27%	41
High Availability (HA)	6.05%	30
Testing	3.83%	19
EDI	2.02%	10
Not applicable	0.60%	3
Development	0.40%	2
Moving off platform	0.20%	1
Total Respondents: 496		

Q15 What consulting company have you been the most satisfied with?



Answered: 440 Skipped: 220





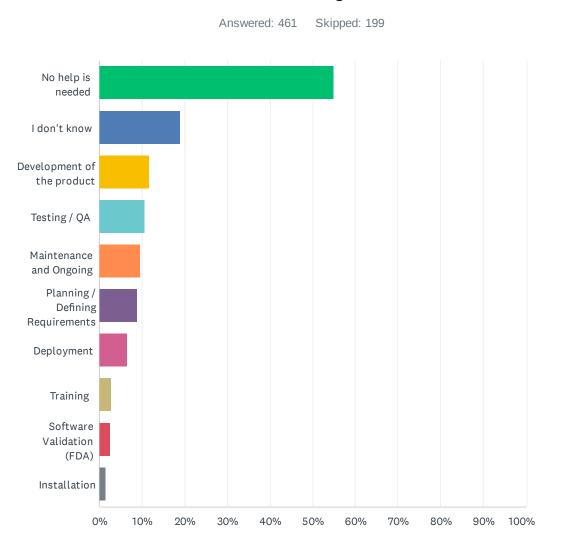


ANSWER CHOICES	RESPONSES	
IBM	22.50%	99
Not applicable	20.91%	92
We don't use a consulting company	13.18%	58
iTech Solutions	9.09%	40
Fresche Solutions	8.64%	38
Independent consultants	5.68%	25
Sirius	3.86%	17
None	3.86%	17
Infor	3.41%	15
Vision Solutions	2.95%	13
Midrange Dynamics	2.95%	13
Programmers.io	2.50%	11
BVSTools	2.50%	11
Tata Consulting Services	2.27%	10
Legacy Systems	2.27%	10
UCG Technologies	2.05%	9
KMPG	1.82%	8
Meridian	1.59%	7
T.L. Ashford and Associates	1.59%	7
Arcad Software	1.36%	6
ServIT	1.14%	5
PWC	1.14%	5
Mainline	1.14%	5
Eradani	1.14%	5
Lansa	0.91%	4
Briteskies	0.91%	4
Crossroads	0.91%	4
Shield Advanced Solutions	0.68%	3
CNX	0.68%	3
TechData	0.68%	3
Iptor IBS	0.68%	3
Gemko	0.68%	3

COX-Little DXC Technology	0.68%	3
Seiden Group	0.68%	3
M.A.P. Technology Solutions	0.45%	2
Tembo Technology Lab (Adsero Optima)	0.45%	2
Tri-Delta Resources	0.45%	2
Gamma Software Inc.	0.45%	2
Silveredge Consulting	0.45%	2
ITS Integra	0.45%	2
Blue chip	0.45%	2
KS/2	0.45%	2
DLB Associates	0.45%	2
Edgetec	0.45%	2
ACMI	0.45%	2
Emet-Barmor	0.45%	2
Profound Logic	0.45%	2
iAge Solutions	0.23%	1
HTC	0.23%	1
Active Logistics	0.23%	1
SIS	0.23%	1
Huber	0.23%	1
Timbermill	0.23%	1
Epam Systems	0.23%	1
DMC	0.23%	1
Sophos Solutions	0.23%	1
Globant	0.23%	1
IT Solutions Group	0.23%	1
TRBHI Inc.	0.23%	1
Genisys Group	0.23%	1
ACS (Des Moines)	0.23%	1
Dynamix Group	0.23%	1
Milcor	0.23%	1
iSam Blue	0.23%	1

DAO Advanced Programs	0.23%	1
Entrepid	0.23%	1
Converge	0.23%	1
CGI	0.23%	1
Logicalis	0.23%	1
Accenture	0.23%	1
EJH Consulting	0.23%	1
Blue Horseshoe	0.23%	1
E&Y	0.23%	1
Combinatorics	0.23%	1
ASNA	0.23%	1
Radix Systems Services	0.23%	1
Key Information Services	0.23%	1
Perseus	0.23%	1
Total Respondents: 440		

Q16 What aspects of the SDLC do you currently or need to consider outsourcing?

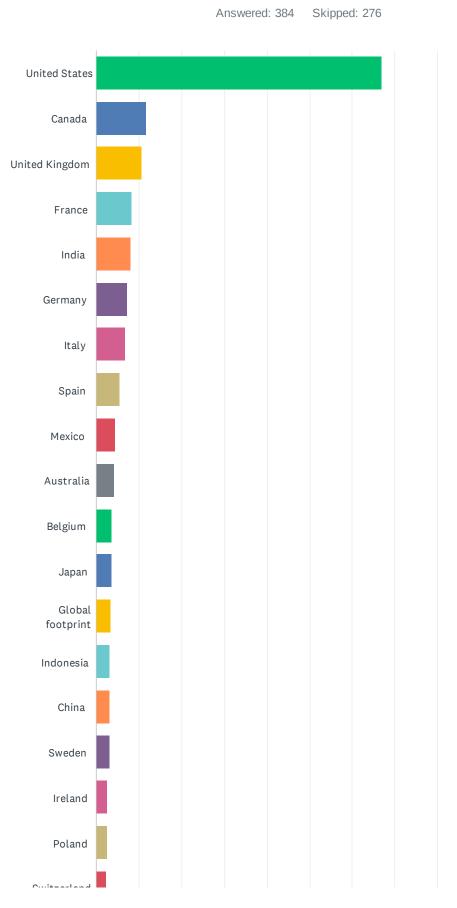


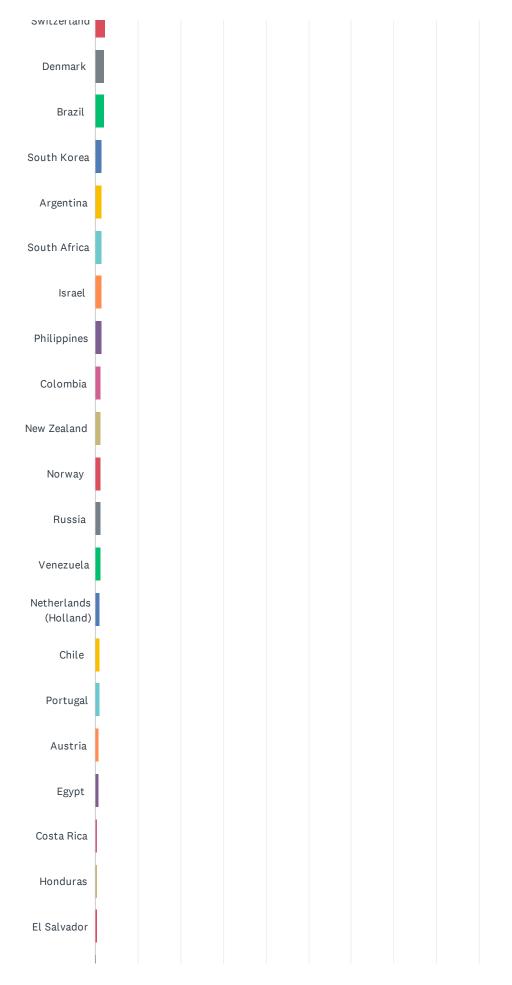
ANSWER CHOICES	RESPONSES	
No help is needed	55.10%	254
I don't know	18.87%	87
Development of the product	11.71%	54
Testing / QA	10.63%	49
Maintenance and Ongoing	9.54%	44
Planning / Defining Requirements	8.89%	41
Deployment	6.51%	30
Training	2.82%	13
Software Validation (FDA)	2.60%	12
Installation	1.52%	7
Total Respondents: 461		

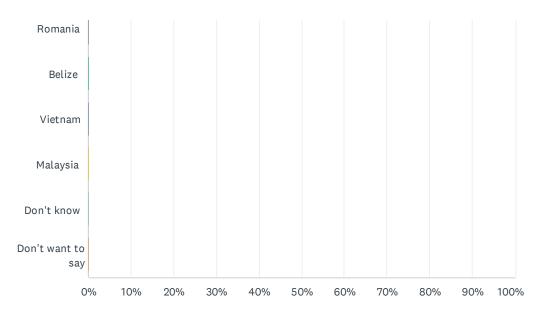
Q17 What is the name of your company? (Optional and will be kept confidential. The only reason I'm asking is so I can consolidate answers for some of the questions when more than one person from a company answers them.)

Answered: 309 Skipped: 351

Q18 What country is your company located in? (New question.)

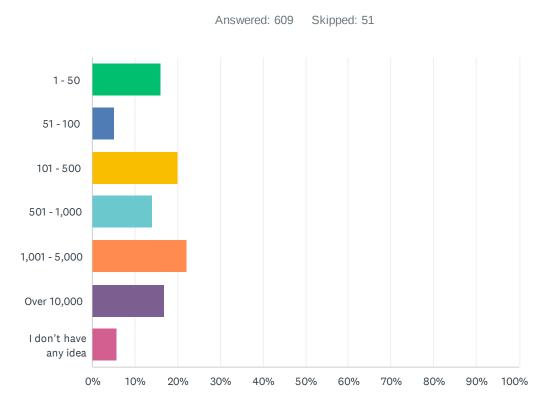






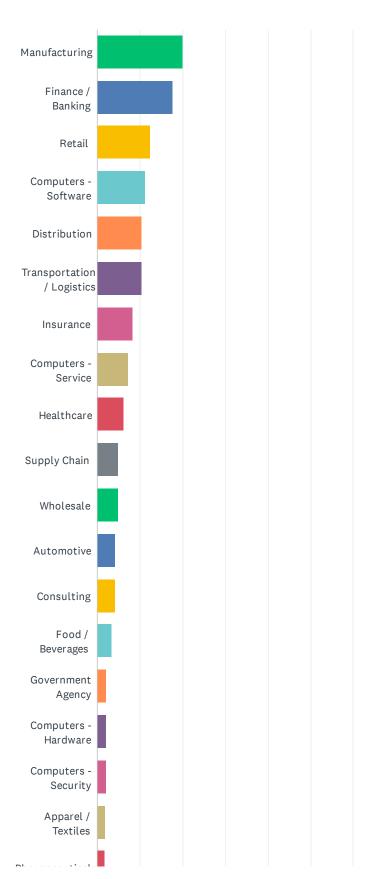
ANSWER CHOICES	RESPONSES	
United States	66.93%	257
Canada	11.72%	45
United Kingdom	10.68%	41
France	8.33%	32
India	8.07%	31
Germany	7.29%	28
Italy	6.77%	26
Spain	5.47%	21
Mexico	4.43%	17
Australia	4.17%	16
Belgium	3.65%	14
Japan	3.65%	14
Global footprint	3.39%	13
Indonesia	3.13%	12
China	3.13%	12
Sweden	3.13%	12
Ireland	2.60%	10
Poland	2.60%	10
Switzerland	2.34%	9
Denmark	2.08%	8
Brazil	2.08%	8
South Korea	1.56%	6
Argentina	1.56%	6
South Africa	1.56%	6
Israel	1.56%	6
Philippines	1.56%	6
Colombia	1.30%	5
New Zealand	1.30%	5
Norway	1.30%	5
Russia	1.30%	5
Venezuela	1.30%	5
Netherlands (Holland)	1.04%	4

Chile Portugal	1.04% 1.04%	4
Austria	0.78%	3
Egypt	0.78%	3
Costa Rica	0.52%	2
Honduras	0.52%	2
El Salvador	0.52%	2
Romania	0.26%	1
Belize	0.26%	1
Vietnam	0.26%	1
Malaysia	0.26%	1
Don't know	0.26%	1
Don't want to say	0.26%	1
Total Respondents: 384		



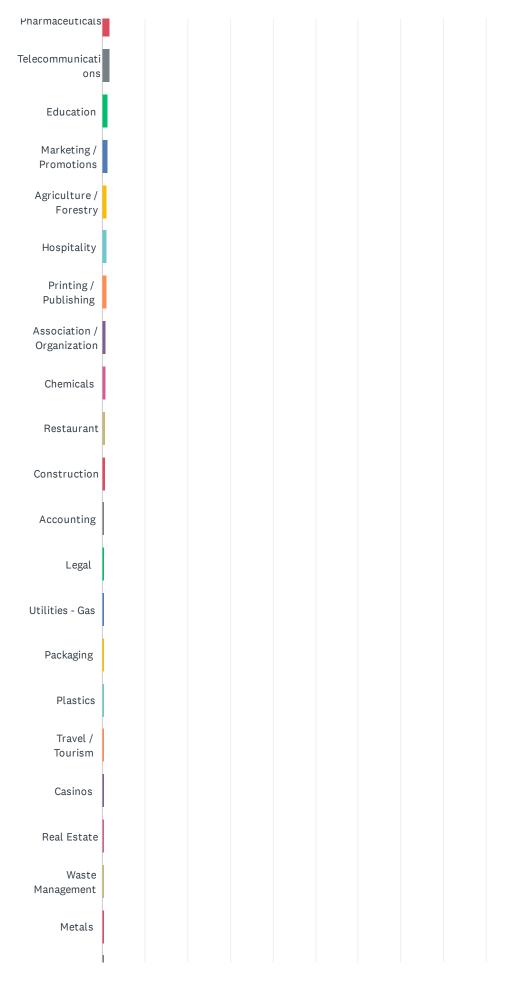
Q19 How many employees does your company have?

ANSWER CHOICES	RESPONSES	
1 - 50	15.93%	97
51 - 100	5.09%	31
101 - 500	20.03%	122
501 - 1,000	14.12%	86
1,001 - 5,000	22.17%	135
Over 10,000	16.91%	103
I don't have any idea	5.75%	35
TOTAL		609



Q20 What industry is your company in?

Answered: 607 Skipped: 53



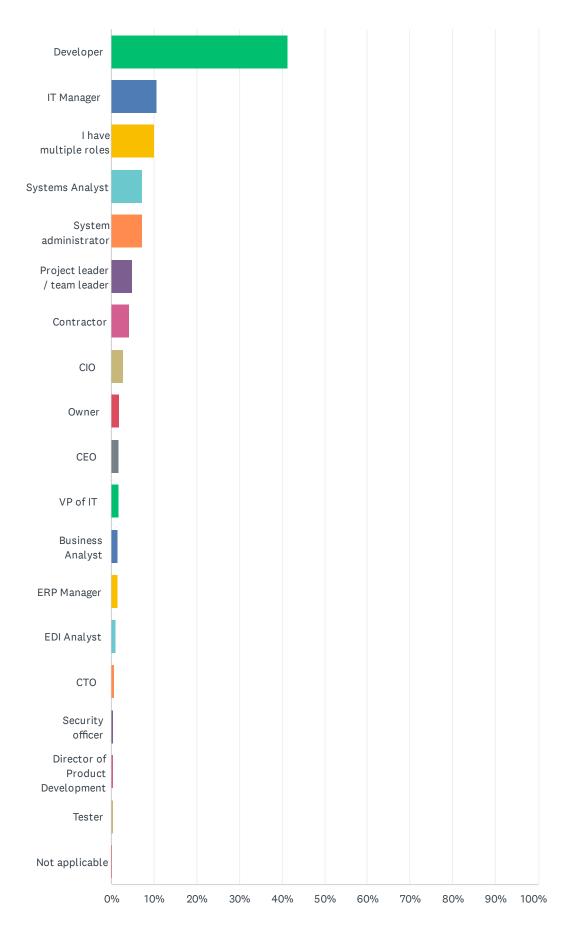


ANSWER CHOICES	RESPONSES	
Manufacturing	20.10%	122
Finance / Banking	17.63%	107
Retail	12.36%	75
Computers - Software	11.37%	69
Distribution	10.54%	64
Transportation / Logistics	10.38%	63
Insurance	8.40%	51
Computers - Service	7.25%	44
Healthcare	6.10%	37
Supply Chain	4.94%	30
Wholesale	4.94%	30
Automotive	4.28%	26
Consulting	4.28%	26
Food / Beverages	3.46%	21
Government Agency	2.14%	13
Computers - Hardware	2.14%	13
Computers - Security	2.14%	13
Apparel / Textiles	1.98%	12
Pharmaceuticals	1.81%	11
Telecommunications	1.65%	10
Education	1.32%	8
Marketing / Promotions	1.32%	8
Agriculture / Forestry	0.99%	6
Hospitality	0.99%	6
Printing / Publishing	0.99%	6
Association / Organization	0.82%	5
Chemicals	0.82%	5
Restaurant	0.66%	4
Construction	0.66%	4
Accounting	0.49%	3
Legal	0.49%	3
Utilities - Gas	0.49%	3

Packaging Plastics	0.33%	22
Travel / Tourism	0.33%	2
Casinos	0.33%	2
Real Estate	0.33%	2
Waste Management	0.33%	2
Metals	0.33%	2
Not Applicable	0.33%	2
Arts / Entertainment	0.16%	1
Computers - MSP	0.16%	1
Computers - IBM i Hosting	0.16%	1
Employment Agency	0.16%	1
Consumer Products	0.16%	1
Consumer Electronics	0.16%	1
Aerospace	0.16%	1
Third Party Collections	0.16%	1
Human Resources	0.16%	1
Payroll	0.16%	1
Staffing	0.16%	1
Janitorial	0.16%	1
Security	0.16%	1
Total Respondents: 607		

Q21 What is your role at your company?

Answered: 605 Skipped: 55



ANSWER CHOICES	RESPONSES	
Developer	41.32%	250
IT Manager	10.74%	65
I have multiple roles	9.92%	60
Systems Analyst	7.27%	44
System administrator	7.27%	44
Project leader / team leader	4.96%	30
Contractor	4.30%	26
CIO	2.81%	17
Owner	1.82%	11
CEO	1.65%	10
VP of IT	1.65%	10
Business Analyst	1.49%	9
ERP Manager	1.49%	9
EDI Analyst	1.16%	7
СТО	0.66%	4
Security officer	0.50%	3
Director of Product Development	0.50%	3
Tester	0.33%	2
Not applicable	0.17%	1
TOTAL		605

Q22 What are your top IT initiatives and goals for 2022?

Answered: 389 Skipped: 271

ANSWER CHOICES	RESPONSES	
1.	92.03%	358
2.	48.84%	190
3.	25.96%	101
4.	10.03%	39
Other (please specify)	9.51%	37

Q23 What top challenges are you facing that could hinder your top 2022 goals?

Answered: 356 Skipped: 304

ANSWER CHOICES	RESPONSES	
1.	92.13%	328
2.	28.09%	100
3.	11.52%	41
4.	3.93%	14
Other (please specify)	8.71%	31

Q24 What core systems do you run that interface with IBM i and require modernization? (Languages and/or Platforms)

Answered:	319	Skipped:	341
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ANSWER CHOICES	RESPONSES	
1.	86.52%	276
2.	33.54%	107
3.	16.93%	54
4.	8.15%	26
5.	3.76%	12
6.	1.88%	6
7.	0.94%	3
8.	0.63%	2
Other (please specify)	13.48%	43

Q25 What challenges are you experiencing when it comes to integrating external applications with your IBM i?

Answered: 312 Skipped: 348

ANSWER CHOICES	RESPONSES	
1.	86.22%	269
2.	17.31%	54
3.	6.41%	20
4.	1.60%	5
Other (please specify)	14.42%	45

Q26 What IT skills are you lacking in your organization?

Answered: 327 Skipped: 333

ANSWER CHOICES	RESPONSES	
1.	90.21%	295
2.	28.44%	93
3.	9.48%	31
4.	2.75%	9
5.	0.61%	2
6.	0.00%	0
Other (please specify)	9.79%	32