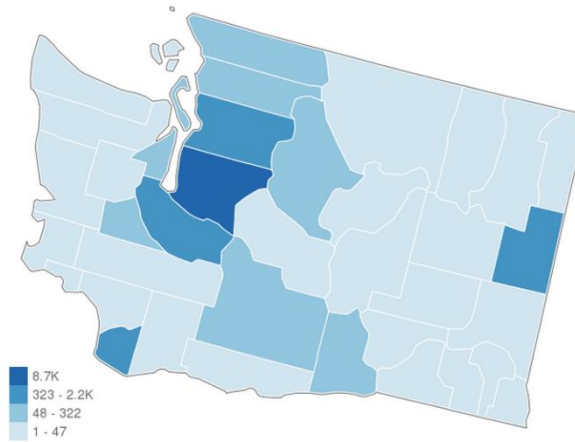


## Washington State Demand By IT Career Pathway

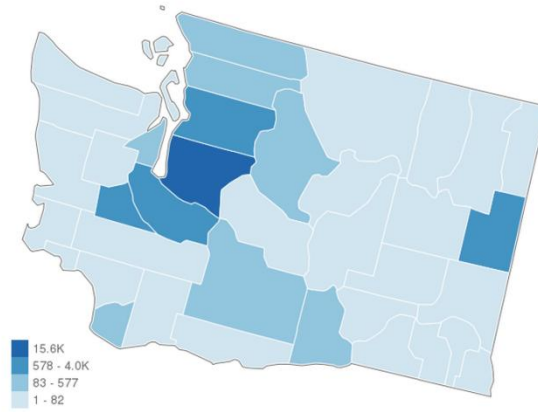
Source: EMSI

Information Security Analysts, Web Developers, and Computer Network Architects  
 Projected Change (2012-2017) 14.2%  
 National Change: 10.6%



	WA State	Nation
2012 Jobs	38,695	1,340,402
2013 Jobs	39,975	1,367,635
2014 Jobs	41,110	1,393,687
2015 Jobs	42,136	1,418,652
2016 Jobs	43,031	1,441,495
2017 Jobs	43,871	1,465,844
2018 Jobs	44,860	1,493,213
2019 Jobs	45,794	1,520,447
2020 Jobs	46,700	1,546,815
2021 Jobs	47,614	1,574,455
2022 Jobs	48,502	1,601,795

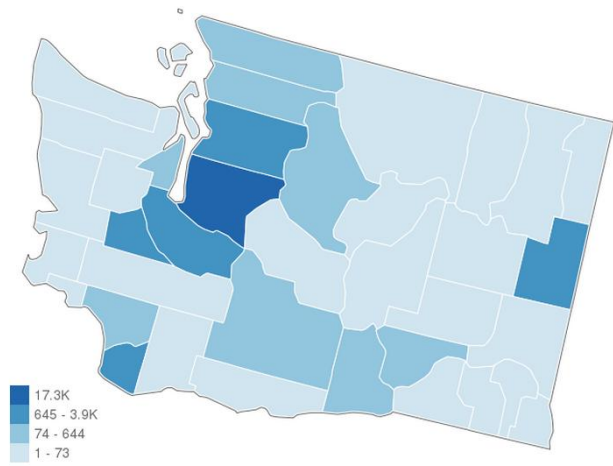
Computer and Information Systems Managers  
 Projected Change (2012-2017) 12.7%  
 National Change: 8.3%



	WA State	Nation
2012 Jobs	10,210	342,064
2013 Jobs	10,524	347,869
2014 Jobs	10,805	353,573
2015 Jobs	11,063	359,187
2016 Jobs	11,304	364,742
2017 Jobs	11,507	370,495
2018 Jobs	11,743	377,133
2019 Jobs	11,971	383,700
2020 Jobs	12,189	390,209
2021 Jobs	12,399	396,649
2022 Jobs	12,604	403,081

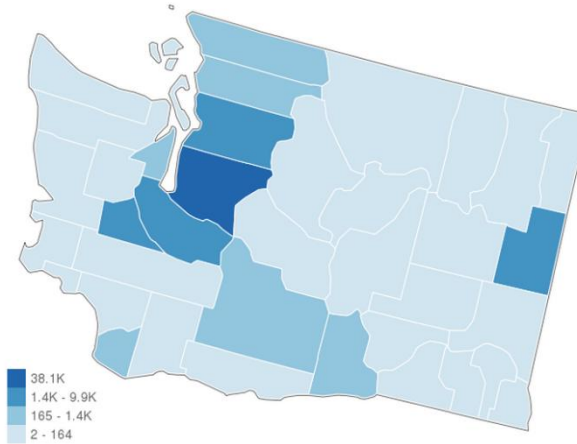
Computer Systems Analysts  
 Projected Change (2012-2017)  
 National Change:

13.0%  
 8.8%



	WA State	Nation
2012 Jobs	25,781	942,471
2013 Jobs	26,608	960,498
2014 Jobs	27,347	977,837
2015 Jobs	28,012	994,338
2016 Jobs	28,578	1,009,001
2017 Jobs	29,128	1,025,672
2018 Jobs	29,775	1,045,042
2019 Jobs	30,397	1,064,055
2020 Jobs	30,994	1,082,720
2021 Jobs	31,566	1,101,032
2022 Jobs	32,119	1,119,126

Software Developers, Systems Software  
 Projected Change (2012-2017) 14.4%  
 National Change: 10.4%

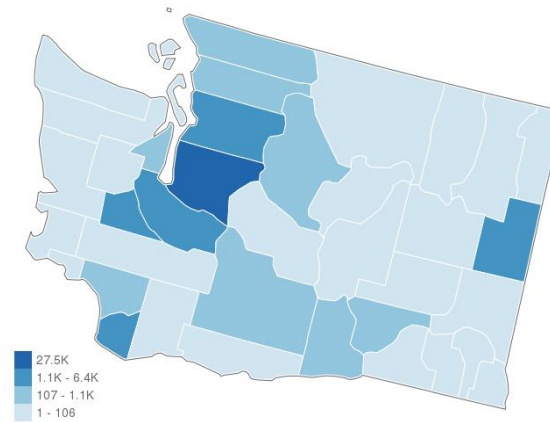


	WA State	Nation
2012 Jobs	55,065	1,778,597
2013 Jobs	56,993	1,817,886
2014 Jobs	58,731	1,856,198
2015 Jobs	60,314	1,893,312
2016 Jobs	61,709	1,927,527
2017 Jobs	63,009	1,964,264
2018 Jobs	64,540	2,005,568
2019 Jobs	66,016	2,046,561
2020 Jobs	67,438	2,086,525
2021 Jobs	68,850	2,127,640
2022 Jobs	70,221	2,168,319

## Network and Computer Systems Administrators

Projected Change (2012-2017) 14.9%

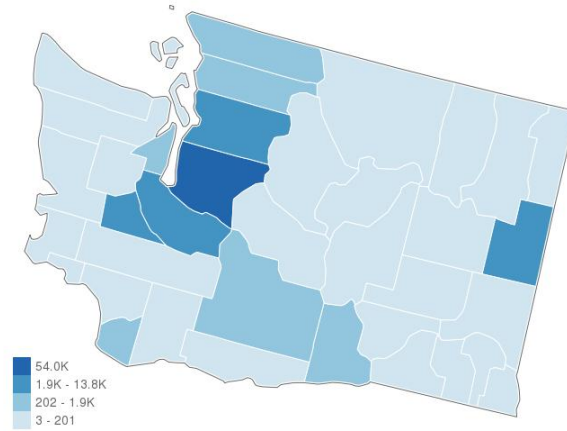
National Change: 11.1%



	WA State	Nation
2012 Jobs	42,088	1,415,373
2013 Jobs	43,578	1,448,150
2014 Jobs	44,939	1,480,583
2015 Jobs	46,189	1,512,191
2016 Jobs	47,295	1,541,445
2017 Jobs	48,342	1,572,970
2018 Jobs	49,563	1,608,285
2019 Jobs	50,743	1,643,257
2020 Jobs	51,883	1,677,687
2021 Jobs	52,985	1,711,603
2022 Jobs	54,053	1,745,095

Software Developers, Applications  
 Projected Change (2012-2017) 14.2%  
 National Change: 11.2%

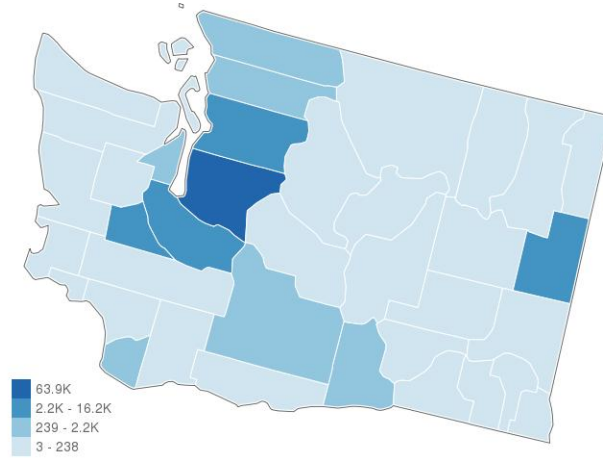
14.2%  
 11.2%



	WA State	Nation
2012 Jobs	76,229	2,027,397
2013 Jobs	78,917	2,075,216
2014 Jobs	81,305	2,122,188
2015 Jobs	83,461	2,167,600
2016 Jobs	85,349	2,208,966
2017 Jobs	87,077	2,253,502
2018 Jobs	89,092	2,304,234
2019 Jobs	91,025	2,354,208
2020 Jobs	92,880	2,403,243
2021 Jobs	94,661	2,451,487
2022 Jobs	96,378	2,498,995

Computer Programming  
 Projected Change (2012-2017)  
 National Change:

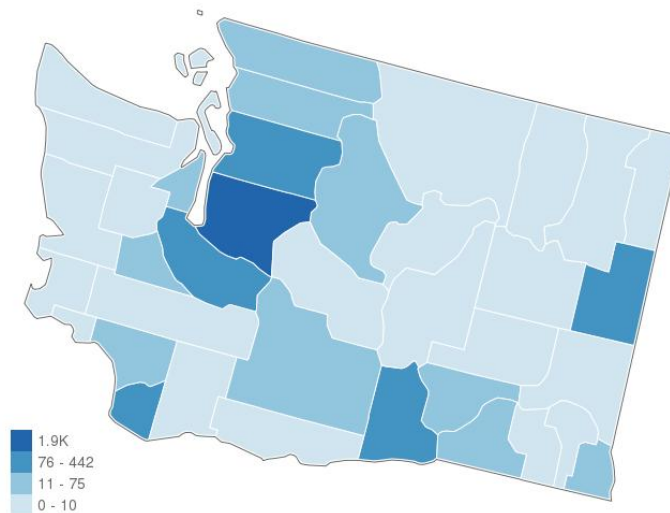
13.6%  
 10.1%



	WA State	Nation
2012 Jobs	89,410	2,433,583
2013 Jobs	92,442	2,485,828
2014 Jobs	95,122	2,536,806
2015 Jobs	97,540	2,586,155
2016 Jobs	99,702	2,632,299
2017 Jobs	101,569	2,679,440
2018 Jobs	103,775	2,734,205
2019 Jobs	105,882	2,787,940
2020 Jobs	107,892	2,840,486
2021 Jobs	109,813	2,892,006
2022 Jobs	111,658	2,942,626

Database Administrator  
 Projected Change (2012-2017)  
 National Change:

18.6%  
 14.6%



	WA State	Nation
2012 Jobs	3,039	126,155
2013 Jobs	3,168	130,073
2014 Jobs	3,288	133,845
2015 Jobs	3,402	137,508
2016 Jobs	3,508	141,048
2017 Jobs	3,604	144,536
2018 Jobs	3,711	148,329
2019 Jobs	3,815	152,069
2020 Jobs	3,915	155,760
2021 Jobs	4,014	159,420
2022 Jobs	4,110	163,050



### Occupation Summary: Projected Demand 2012-2017

SOC	Description	▼ 2012 Jobs	2017 Jobs	2012 Annual Openings	Median Hourly Earnings	2012 National Location Quotient
15-1132	Software Developers, Applications	34,141	38,735	1,553	\$46.57	2.55
15-1133	Software Developers, Systems Software	16,370	19,139	818	\$46.18	1.71
15-1121	Computer Systems Analysts	15,572	17,621	804	\$39.40	1.19
15-1131	Computer Programmers	13,181	14,492	650	\$41.06	1.48
15-1179	Information Security Analysts, Web Developers, and Computer Network Architects	12,914	14,743	644	\$34.43	1.49
11-3021	Computer and Information Systems Managers	10,210	11,507	471	\$58.37	1.37
15-1142	Network and Computer Systems Administrators	10,147	11,582	501	\$34.47	1.23
15-1141	Database Administrators	3,039	3,604	180	\$40.27	1.10
	Total	115,572	131,422	5,622	\$43.38	

**13.7 % increase between 2012 and 2017 (nationally 10.1), or 15,850 projected job openings, or 3,170 jobs each year.**