	I							I	
	Subject Area	Type of Doc	Topic	Funnel to Product Page	Length of Doc (characters) 6.685		Inteded User Type	Views (March23'-March25') [1]	Rank Based on # of Views [2
GitHub Security Features	Security	Overview	An overview of GitHub security features.	No	-,	Intermediate	Intermediate		
Dependabot quickstart guide	Security	Technical Guide	enabling Dependabot for a repository	No	2,549	Intermediate	Intermediate	179,871	10
Quickstart for securing your repository	Security	Technical Guide	GitHub features to help keep your repository secure	No	7,915	Intermediate	Intermediate	56,865	35
Adding a security policy to your repository	Security	Tutorial	how to report a security vulnerability	No	3,228	Intermediate	Intermediate	102,187	18
Auditing security alerts	Security	Overview	Audit and monitor actions for security alerts	No	5,224	Beginner	Intermediate	26,426	47
Best practices for preventing data leaks in your organization	Security	Technical Guide	avoid private or sensitive data present in orgs	No	7,432	Beginner	Intermediate	120,552	17
Planning a trial of GitHub Advanced Security	Security	Technical Guide	GHAS trial set up	No	6,088	Intermediate	Intermediate	36,274	44
Enabling security features in your trial enterprise	Security	Technical Guide	create an enterprise-level configuration	No	5,420	Beginner	Intermediate	1,109	255
Exploring your enterprise trial of secret scanning	Security	Technical Guide	secret scanning available with GitHub Enterprise Cloud	No	5,546	Intermediate	Intermediate	2,400	251
Exploring your enterprise trial of code scanning	Security	Technical Guide	code and dependency scanning available in GHEC	No	11,533	Intermediate	Intermediate	2,384	252
About enabling security features at scale	Security	Technical Guide	security configurations and global settings.	No	3,614	Intermediate	Intermediate	19,997	55
Choosing a security configuration for your repositories	Security	Technical Guide	type of security configuration by repo	No	2,362	Intermediate	Intermediate	8,003	208
plying the GitHub-recommended security configuration in your organization	Security	Tutorial	security enablement settings	No	6,380	Intermediate	Intermediate	12,781	124
Creating a custom security configuration	Security	Tutorial	custom security configuration	No	5,773	Intermediate	Intermediate	4 828	234
Applying a custom security configuration	Security	Tutorial	custom security configuration	No	3,557	Intermediate	Intermediate	3,229	246
Configuring global security settings for your organization	Security	Tutorial	Customize GitHub Advanced Security features	No	8.127	Intermediate	Intermediate	13.348	116
	Security	Tutorial	improve the results of code scanning analysis	No	6,042	Intermediate	Intermediate	643	257
Giving security features access to private registries		Technical Guide	analyze security data on repositories	No No	3,984	Intermediate	Intermediate	3.370	257
Interpreting security findings	Security		,,		0,00			0,0.0	
Filtering repositories in your organization using the repository table	Security	Tutorial	filter the repository table	No	2,278	Intermediate	Intermediate	5,702	225
Editing a custom security configuration	Security	Tutorial	Change the enablement settings	No	3,186	Intermediate	Intermediate	3,365	245
Managing your GitHub Advanced Security license usage	Security	Technical Guide	understand and control GitHub Advanced Security license	No	912	Beginner	Intermediate	7,276	211
Detaching repositories from their security configurations	Security	Tutorial	unlink repositories from their security configurations	No	2,627	Intermediate	Intermediate	4,332	241
Finding and fixing configuration attachment failures	Security	Tutorial	repositories where the security configuration could not be attached	No	1,993	Intermediate	Intermediate	477	258
Deleting a custom security configuration	Security	Tutorial	delete unnecessary custom security configurations	No	1,907	Intermediate	Intermediate	3,088	248
A repository is using advanced setup for code scanning	Security	Tutorial	security configuration with code scanning enabled to repositories	No	2,215	Intermediate	Intermediate	3,837	243
Not enough GitHub Advanced Security licenses	Security	Technical Guide	available GHAS licenses to enable GHAS features	No	1,266	Intermediate	Intermediate	5,389	228
About secret scanning	Security	Overview	Secret Scanning Overview	No	5,932	Intermediate	Intermediate	195,653	9
About push protection	Security	Overview	Push protection can be applied at the repository	No	5,536	Intermediate	Intermediate	39,589	43
About secret scanning for partners	Security	Overview	Secret scanning for partners	No	2,128	Intermediate	Intermediate	4,356	240
Supported secret scanning patterns	Security	Overview	Secret Scanning with patners	No	13.776	Intermediate	Intermediate	59.320	33
Enabling secret scanning for your repository	Security	Tutorial	GitHub scans your repositories for leaked	No	1486	Beginner	Beginner	13.820	110
Enabling push protection for your repository	Security	Tutorial	Secret scanning on repos	No.	1761	Beginner	Beginner	9.285	192
About secret scanning alerts	Security	Overview	different types of secret scanning alerts.	No	3,940	Beginner	Beginner	15,984	74
		Tutorial	iFind and filter secret scanning alerts	No	2,581	Intermediate	Intermediate	11,847	143
Viewing and filtering alerts from secret scanning	Security	Technical Guide		No	3,415	Intermediate	Intermediate	8.821	198
Evaluating alerts from secret scanning	Security		additional features that can help you evaluate alerts		4,1.4			-,	
Resolving alerts from secret scanning	Security	Tutorial	reviewing the details of a secret scanning alert	No	2,284	Intermediate	Intermediate	8,093	206
Monitoring alerts from secret scanning	Security	Tutorial	GitHub will notify you about a secret scanning alert.	No	2,978	Intermediate	Intermediate	6,579	217
Push protection for users	Security	Overview	Push protection and what it is applied to	No	2,453	Beginner	Beginner	17,146	70
Working with push protection from the command line	Security	Technical Guide	options for unblocking your push from the command line	No	7,765	Intermediate	Intermediate	87,058	21
Working with push protection from the REST API	Security	Technical Guide	options for unblocking your push to GitHub using the REST API	No	1,138	Beginner	Intermediate	3,001	249
Working with push protection in the GitHub UI	Security	Technical Guide	options for unblocking your commit when secret scanning detects a secret	No	2,395	Intermediate	Intermediate	9,780	187
Excluding folders and files from secret scanning	Security	Tutorial	customize secret scanning to exclude file	No	4,100	Beginner	Intermediate	5,994	221
Responsible detection of generic secrets with Copilot secret scanning	Security	Technical Guide	Copilot secret scanning uses AI responsibly	No	5,692	Beginner	Intermediate	17,380	69
esponsible generation of regular expressions with Copilot secret scanning	Security	Overview	capabilities and limitations of the regular expression generator	No	4,471	Intermediate	Intermediate	4,844	233
Troubleshooting secret scanning	Security	Troubleshooting	troubleshoot unexpected issues	No	3,182	Beginner	Intermediate	15,805	77
Secret scanning partner program	Security	Administration	r with GitHub to have your secret token formats secured through secret sca	No	14,603	Advanced	Advanced	54,797	36
About code scanning	Security	Overview	overview of code scanning	No	3,575	Beginner	Intermediate	305,227	4
About code scanning with CodeQL	Security	Overview	QL is the code analysis engine developed by GitHub to automate security ch	No	4,484	Intermediate	Intermediate	176,190	12
Configuring default setup for code scanning	Security	Technical Guide	default setup for code scanning	No	9.377	Intermediate	Intermediate	154.028	14
Evaluating default setup for code scanning	Security	Technical Guide	how to assess how code scanning is working	No	2.948	Intermediate	Intermediate	18.975	59
Configuring default setup for code scanning	Security	Technical Guide	configure code scanning for repositories	No	4.075	Beginner	Intermediate	48.667	40
Configuring advanced setup for code scanning at scale	Security	Technical Guide	configure code scanning for repositories configure advanced setup for a repository to find security vulnerabilities	No	6.686		Advanced	.,	70
	Security	Tutorial		INO					27
Customizing your advanced setup for code scanning	security			No	.,	Advanced		69,719	27
CodeQL code scanning for compiled languages	Coough		how your advanced setup scans the code in your project for vulnerabilities	No No	37,512	Advanced	Advanced	128,480	16
Configuration and transport of the form of the configuration and the configuration of the con	Security	Tutorial	Understand how CodeQL analyzes compiled languages	No	37,512 29,005	Advanced Advanced	Advanced Advanced	128,480 78,125	16 24
Configuring advanced setup for code scanning with CodeQL at scale	Security	Tutorial Tutorial	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning	No No	37,512 29,005 3,183	Advanced Advanced Advanced	Advanced Advanced Advanced	128,480 78,125 15,453	16 24 81
Recommended hardware resources for running CodeQL	Security Security	Tutorial Tutorial Tutorial	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis	No No No	37,512 29,005 3,183 1,657	Advanced Advanced Advanced Intermediate	Advanced Advanced Advanced Intermediate	128,480 78,125 15,453 14,201	16 24 81 104
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container	Security Security Security	Tutorial Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container	No No No	37,512 29,005 3,183 1,657 3,020	Advanced Advanced Advanced Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394	16 24 81 104 58
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alerts	Security Security Security Security	Tutorial Tutorial Tutorial Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts	No No No No No	37.512 29,005 3,183 1,657 3,020 7,189	Advanced Advanced Advanced Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394 31,797	16 24 81 104 58 45
Recommended hardware resources for running CodeQL, Running CodeQL code scanning in a container About code scanning alerts Responsible use of Copilot Autofix for code scanning	Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts	No No No No No	37,512 29,005 3.183 1,657 3,020 7,189 12,706	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210	16 24 81 104 58 45
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alerts	Security Security Security Security	Tutorial Tutorial Tutorial Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts	No No No No No No	37.512 29.005 3,183 1,657 3,020 7,189 12,706 4,548	Advanced Advanced Advanced Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate Intermediate	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133	16 24 81 104 58 45 39 205
Recommended hardware resources for running CodeQL, Running CodeQL code scanning in a container About code scanning alerts Responsible use of Copilot Autofix for code scanning	Security Security Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GiH-tub Copilot Autofix explore and evaluate alerts for potential vulnerabilities	No	37,512 29,005 3,183 1,657 3,020 7,189 12,706 4,548 7,078	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388	16 24 81 104 58 45 39 205 239
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabling Copilot Autofix for code scanning	Security Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GitHub Copilot Autofix	No No No No No No	37.512 29.005 3,183 1,657 3,020 7,189 12,706 4,548	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133	16 24 81 104 58 45 39 205
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alters Responsible use of Copilot Autofix for code scanning Disabling Copilot Autofix for code scanning Assessing code scanning alters for your repository	Security Security Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GiH-tub Copilot Autofix explore and evaluate alerts for potential vulnerabilities	No	37,512 29,005 3,183 1,657 3,020 7,189 12,706 4,548 7,078	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388	16 24 81 104 58 45 39 205 239
Recommended hardware resources for running CodeQL Running CodeQL code scanning lane About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts for your repository	Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow Giff-lub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors	No	37.512 29.005 3183 1.657 3.020 7189 12.706 4.548 7.078 8.707	Advanced Advanced Advanced Intermediate	Advanced Advanced Advanced Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222	16 24 81 104 58 45 39 205 239
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabling Conilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts Triaging code scanning alerts in pull requests	Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GitHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities review the highlighted code and resolve the alert	No N	37.512 29.005 3183 1.657 3.020 7.189 12.706 4.548 7.078 8.707 14.223	Advanced Advanced Advanced Intermediate Advanced	Advanced Advanced Advanced Intermediate	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133 4.388 10.222 30.703	16 24 81 104 58 45 39 205 239 183 46
Recommended hardware resources for running CodeQL Running CodeQL code scanning line a container About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts for your repository Triaging code scanning alerts in pull requests Tracking code scanning alerts in issues using task lists About the tool status page for code scanning	Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GilHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists	No N	37,512 29,005 3183 1,657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664	Advanced Advanced Advanced Intermediate Advanced Advanced	Advanced Advanced Advanced Intermediate Advanced Advanced	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586	16 24 81 104 58 45 39 205 239 183 46
Recommended hardware resources for running CodeQI. Running CodeQI. Code scanning in a container About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts for your repository Resolving code scanning alerts in bull requests Triaging code scanning alerts in bull requests Tracking code scanning alerts in sure using task lists About the tool status page for code scanning Editing your configuration of default setup	Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GitHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists ool status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning	No N	37.512 29.005 3183 1,657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664 7,689	Advanced Advanced Advanced Intermediate Advanced Intermediate	Advanced Advanced Advanced Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613	16 24 81 104 58 45 39 205 239 183 46 130
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alers Besponsible use of Cooliot Autofix for code scanning Disabling Copilot Autofix for code scanning Assessing code scanning alers for your repository Resolving code scanning alers for your repository Resolving code scanning alers Triaging code scanning alers in bull requests Tracking code scanning alers in issues using task lists About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts All to suggest potential fixes for code scanning alerts choose to disallow GilHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists ool status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning use rulesets to set code scanning merge protection for pull requests.	No N	37,512 29,005 3183 1,657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664 7,689 7,197	Advanced Advanced Advanced Intermediate Advanced Intermediate Intermediate Intermediate Intermediate Advanced	Advanced Advanced Advanced Intermediate Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294	16 24 81 104 58 45 39 205 239 183 46 130 50 60
Recommended hardware resources for running CodeQL Running CodeQL code scanning line container About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabling Conitol Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts for your repository Resolving code scanning alerts in pull requests Triading code scanning alerts in susue using task lists About the tool status page for code scanning Editing your configuration of default setup Set code scanning merce protection CodeQL query suites	Security	Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Technical Guide	Understand how CodeOL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeOL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GilHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists pol status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning use rulesets to set code scanning merge protection for pull requests. Frent bulli-in CodeOL query suites to use in your CodeOL code scanning se	No N	37.512 29.005 3183 1.657 3.020 7.189 12.706 4.548 7.078 8.707 14.223 4.664 7.689 7.197 3.458 3.394	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133 4.388 10.222 30.703 12.586 22.613 18.952 7.294 54.136	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210
Recommended hardware resources for running CodeQl, Running CodeQl, Code scanning in a container. About code scanning laters Responsible use of Copilot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts Triaging code scanning alerts fraiding code scanning alerts In just report to the code scanning About the tool status page for code scanning Editing your configuration of default setup Set code scanning merce protection CodeQl, query suites Configuring larger runners for debut setup	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts and the code scanning alerts of codes canning alerts choose to disallow Gilf-lub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists ool status page shows useful information about all of your code scanning to edity your existing configuration of default setup for code scanning use rulesets to set code scanning muse rulesets to set code scanning ment protection for puli requests.	No N	37,512 29,005 3183 11657 3,020 7789 12,706 4,548 7,078 8,707 14,223 4,664 7,689 7,197 3,458 3,394 3,238	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294 54,136 11,085	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning alers Responsible use of Copilot Autofix for code scanning Disabling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts for your repository Resolving code scanning alerts in full requests Triaging code scanning alerts in built requests Tracking code scanning alerts in issues using task lists About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQL query suites Configuring larger runners for default setup Viewing code scanning logs	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GiH-lub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists pol status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of default setup for code scanning to edit user fulless to set code scanning merge protection for pull requests. rent bullt-in CodeQL query suites to use in your CodeQL code scanning a View the output generated during code scanning a larger n View the output generated during code scanning analysis	No N	37,512 29,005 3183 1,657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664 7,689 7,197 3,458 3,394 3,238 4,463	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate	Advanced Advanced Advanced Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294 54,136 11,085 18,851	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61
Recommended hardware resources for running CodeQL Running CodeQL Code scanning in a container About code scanning alerts Responsible use of Copilot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts for your repository Resolving code scanning alerts in Juli requests Triaging code scanning alerts in juli requests Tracking code scanning alerts in Issues using task litts About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQL query suites Configuring larger runners for default setup Viewing code scanning logs C and C++ queries for CodeQL nanivals	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Technical Guide	Understand how CodeOL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeOL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GilHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists pol status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of other or code scanning set de scanning default setup more quickly on bigger codebases using larger in View the output generated during code scanning analysis queries that CodeOL uses to analyze code written in C or C++	No N	37.512 29.005 3183 11657 3,020 7189 12,706 4.548 7,078 8,707 14,223 4.664 7,689 7,197 3,458 3,394 3,238 4,463 4,702	Advanced Advanced Advanced Intermediate	Advanced Advanced Advanced Intermediate	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133 4.388 10.222 30.703 12.586 22.613 18.952 7.294 54.136 11.085 18.851 11.723	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148
Recommended hardware resources for running CodeQI. Running CodeQI. code scanning in a container. About code scanning alerts Responsible use of Cooliot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts In Juli requests Trisging code scanning alerts In juil requests Tracking code scanning alerts in issues using task lists About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQI, query sultes Configuring larger runners for default setup Viewing code scanning logs Cand C++ queries for CodeQI, analysis CE queries for CodeQI, analysis	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts all to suggest potential fixes for code scanning alerts choose to disallow Gilt-lub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists ool status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning use rulesets to set code scanning merge protection for pull requests. Event bull-in CodeQL query suites to use in your CodeQL code scanning alers acanning default setup for code scanning larger in View the output generated during code scanning analysis queries that CodeQL uses to analyze code written in C or C+ queries that CodeQL uses to analyze code written in C or C+	No N	37,512 29,005 3183 1,657 3,020 7,789 12,706 4,548 7,707 8,707 14,223 4,664 7,689 7,197 3,458 3,394 3,238 4,463 4,702 3,146	Advanced Advanced Advanced Intermediate	Advanced Advanced Advanced Intermediate	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294 54,136 11,085 18,851 11,723 14,859	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning airers Responsible use of Copilot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts Triaging code scanning alerts Triaging code scanning alerts Tracking code scanning alerts Tracking code scanning alerts Tracking code scanning alerts About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQL query suites Configuring larger runners for default setup Viewing code scanning logs C and C++ queries for CodeQL analysis Ga queries for CodeQL analysis Ga queries for CodeQL analysis	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GiH-lub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists bol status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of but provided to the code code scanning ser rulesets to set code scanning merge protection for pull requests. serent built-in CodeQL query suites to use in your CodeQL code scanning se de scanning default setup more quickly on bigger codebases using larger ru View the output generated during code scanning analysis queries that CodeQL uses to analyze code written in C or C++ queries that CodeQL uses to analyze code written in C of Golang)	No N	37.512 29.005 3183 1.657 3.020 7.189 12.706 4.548 7.078 8.707 14.223 4.664 7.689 7.197 3.458 3.394 3.238 4.463 4.702 3.146 2.208	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Advanced Advanced Advanced	Advanced Advanced Advanced Advanced Intermediate Advanced Advanced	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133 4.388 10.222 30.703 12.586 22.613 18.952 7.294 54.136 11.085 18.851 11.723 14.859 12.601	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148 94
Recommended hardware resources for running CodeQI. Running CodeQI. code scanning in a container. About code scanning alerts Responsible use of Cooliot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts In Juli requests Trisging code scanning alerts In juil requests Tracking code scanning alerts in issues using task lists About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQI, query sultes Configuring larger runners for default setup Viewing code scanning logs Cand C++ queries for CodeQI, analysis CE queries for CodeQI, analysis	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts and the code of th	No N	37,512 29,005 3183 11657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664 7,689 7,197 3,458 3,394 3,238 4,463 4,463 4,702 3,146 2,208 5,987	Advanced Advanced Advanced Intermediate Inte	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Advanced Advanced Advanced Advanced Advanced	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294 54,136 11,085 18,851 11,723 14,859 12,601 21,227	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148 94 129 53
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning airers Responsible use of Copilot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts Triaging code scanning alerts Triaging code scanning alerts Tracking code scanning alerts Tracking code scanning alerts Tracking code scanning alerts About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQL query suites Configuring larger runners for default setup Viewing code scanning logs C and C++ queries for CodeQL analysis Ga queries for CodeQL analysis Ga queries for CodeQL analysis	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GiH-lub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts to issues using task lists bol status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of default setup for code scanning to edit your existing configuration of but provided to the code code scanning ser rulesets to set code scanning merge protection for pull requests. serent built-in CodeQL query suites to use in your CodeQL code scanning se de scanning default setup more quickly on bigger codebases using larger ru View the output generated during code scanning analysis queries that CodeQL uses to analyze code written in C or C++ queries that CodeQL uses to analyze code written in C of Golang)	No N	37.512 29.005 3183 1.657 3.020 7.189 12.706 4.548 7.078 8.707 14.223 4.664 7.689 7.197 3.458 3.394 3.238 4.463 4.702 3.146 2.208	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Advanced Advanced Advanced	Advanced Advanced Advanced Advanced Intermediate Advanced Advanced	128.480 78.125 15.453 14.201 19.394 31.797 49.210 8.133 4.388 10.222 30.703 12.586 22.613 18.952 7.294 54.136 11.085 18.851 11.723 14.859 12.601	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148 94
Recommended hardware resources for running CodeQL Running CodeQL code scanning in a container About code scanning in a container About code scanning in a container Responsible use of Copilot Autofix for code scanning Disabiling Copilot Autofix for code scanning Assessing code scanning alerts for your repository Resolving code scanning alerts in your repository Resolving code scanning alerts in lisues using task litts Triaging code scanning alerts in issues using task litts About the tool status page for code scanning Editing your configuration of default setup Set code scanning merge protection CodeQL cuery suites Configuring larger runners for default setup Viewing code scanning loog Cand C++ queries for CodeQL analysis Ge queries for CodeQL analysis Java and Kotlin queries for CodeQL analysis	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts and the code of th	No N	37,512 29,005 3183 11657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664 7,689 7,197 3,458 3,394 3,238 4,463 4,463 4,702 3,146 2,208 5,987	Advanced Advanced Advanced Intermediate Inte	Advanced Advanced Advanced Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Advanced Advanced Advanced Advanced Advanced	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294 54,136 11,085 18,851 11,723 14,859 12,601 21,227	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148 94 129 53
Recommended hardware resources for running CodeQI. Running CodeQI. des scanning in a container About code scanning alers Responsible use of CoolioI Autofix for code scanning Disabling CopiloI Autofix for code scanning Assessing code scanning alers for your repository Resolving code scanning alers for your repository Resolving code scanning alers for your repository Resolving code scanning alers for jour repository Editing your configuration of default setup Set code scanning merge protection CodeQI. query suites Configuring larger runners for default setup Viewing code scanning logs C and C++ queries for CodeQI. analysis Ge queries for CodeQI. analysis Ge queries for CodeQI. analysis Java and Kottin queries for CodeQI. analysis Java and Kottin queries for CodeQI. analysis	Security	Tutorial Tutorial Tutorial Tutorial Tutorial Technical Guide Tutorial Tutorial Tutorial Tutorial Technical Guide	Understand how CodeQL analyzes compiled languages use a script to configure advanced setup for code scanning specifications (RAM, CPU cores, and disk) for running CodeQL analysis run code scanning in a container different types of code scanning alerts Al to suggest potential fixes for code scanning alerts choose to disallow GilHub Copilot Autofix explore and evaluate alerts for potential vulnerabilities view, fix, or dismiss alerts for potential vulnerabilities or errors review the highlighted code and resolve the alert adding code scanning alerts for souse using task lists oil status page shows useful information about all of your code scanning to edit your existing configuration of default setup for code scanning use rulesests to set code scanning merge protection for pull requests. rerent bullt-in CodeQL query suites to use in your CodeQL code scanning after of seasoning default setup more quickly on bigger codebases using larger n View the output generated during code scanning analysis queries that CodeQL uses to analyze code written in Go (Golang) queries that CodeQL uses to analyze code written in Go (Golang) queries that CodeQL uses to analyze code written in foo (Golang) queries that CodeQL uses to analyze code written in Javao or Kotlii queries that CodeQL uses to analyze code written in Javao or Kotlii queries that CodeQL uses to analyze code written in Javao or Kotlii queries that CodeQL uses to analyze code written in Javao or Kotlii queries that CodeQL uses to analyze code written in Javao or Kotlii	No N	37,512 29,005 3183 1,657 3,020 7189 12,706 4,548 7,078 8,707 14,223 4,664 7,689 7,197 3,458 3,394 3,394 3,238 4,463 4,702 3,146 2,208 5,987 5,458	Advanced Advanced Advanced Intermediate Advanced Advanced Advanced Advanced Advanced	Advanced Advanced Advanced Intermediate Advanced Intermediate Advanced Advanced Advanced Advanced Advanced Advanced	128,480 78,125 15,453 14,201 19,394 31,797 49,210 8,133 4,388 10,222 30,703 12,586 22,613 18,952 7,294 54,136 11,085 18,851 11,723 14,859 12,601 21,227 18,038	16 24 81 104 58 45 39 205 239 183 46 130 50 60 210 37 170 61 148 94 129 53 66

About integration with code scanning	Security	Overview	de scanning externally and then display the results in GitHub, or configure	No	1,652	Beginner	Beginner	22,261	52
Using code scanning with your existing CI system	Security	Technical Guide	code with the CodeQL CLI or another tool in a third-party continuous integr	No	5,224	Intermediate	Intermediate	19,947	56
Uploading a SARIF file to GitHub	Security	Technical Guide	upload SARIF files generated outside GitHub and see code scanning alerts	No	8,386	Intermediate	Intermediate	70,575	26
SARIF support for code scanning	Security	Technical Guide	display results from a third-party static analysis tool	No	34.555	Advanced	Advanced	90,321	20
				No	1,098			18.046	65
Advanced Security must be enabled for this repository to use code scar	Security	Troubleshooting	Addressing the error			Beginner	Beginner	10,0 10	
Alerts found in generated code	Security	Troubleshooting	build only the code which you wish to analyze.	No	949	Beginner	Beginner	9,565	189
Code scanning analysis takes too long	Security	Troubleshooting	fine tune your code scanning configuration to minimize analysis time	No	4,870	Intermediate	Intermediate	13,102	120
Automatic build failed for a compiled language	Security	Troubleshooting	omatic build fails, you can configure code scanning to use specific build ste	No	570	Beginner	Intermediate	1,782	254
C# compiler unexpectedly failing	Security	Troubleshooting	amend your application project file.	No	1.570	Beginner	Intermediate	5.901	223
Cannot enable CodeQL in a private repository	Security	Troubleshooting	GitHub Advanced Security must be enabled in order to use code scanning	No	439	Beginner	Intermediate	9.641	188
Enabling default setup takes too long		Troubleshooting	Enabling default setup has stalled, you can restart the process.	No	1.000	Beginner	Intermediate	5.058	230
	Security				,				
Extraction errors in the database	Security	Troubleshooting	can check whether or not extraction errors affect the health	No	930	Beginner	Intermediate	5,495	226
CodeQL scanned fewer lines than expected	Security	Troubleshooting	use a custom build command	No	2,893	Intermediate	Intermediate	9,308	191
Logs are not detailed enough	Security	Troubleshooting	increase the level of detail in your logs	No	1,937	Intermediate	Intermediate	9,156	194
Error: "No source code was seen during the build"	Security	Troubleshooting	unblock code scanning analysis	No	3,817	Intermediate	Intermediate	26,237	48
rror: "is not a .ql file, .qls file, a directory, or a query pack specification"	Security	Troubleshooting	CodeQL was unable to locate one of the queries	No	822	Beginner	Intermediate	12,721	126
Error: "Out of disk" or Error: "Out of memory"	Security	Troubleshooting	errors with GitHub Actions	No	1,220	Beginner	Intermediate	12 545	132
								12,010	
Error: 403 "Resource not accessible by integration"	Security	Troubleshooting	error may be seen on pull requests created by Dependabot	No	2,512	Intermediate	Intermediate	20,802	54
Results are different than expected	Security	Troubleshooting	check which configurations are active	No	1,646	Intermediate	Intermediate	4,898	232
Error: "Server error"	Security	Troubleshooting	Check the current GitHub Actions service status	No	617	Intermediate	Intermediate	11,111	167
Some languages were not analyzed with CodeQL advanced setup	Security	Troubleshooting	add a matrix specifying the languages you want to analyze	No	1,095	Advanced	Advanced	11,449	157
Two CodeQL workflows	Security	Troubleshooting	two workflows named "CodeQL"	No	1.078	Intermediate	Intermediate	12.543	133
	Security	Troubleshooting	If you don't know what triggered an analysis,	No	753	Intermediate	Intermediate	3.917	242
Unclear what triggered a workflow run									
ue was detected with this workflow; git checkout HEAD^2 is no longer	Security	Troubleshooting	What to do when you see this warning	No	1,625	Intermediate	Intermediate	11,734	147
etected X Kotlin files in your project that could not be processed withou	Security	Troubleshooting	What to do when you see this warning	No	3,391	Intermediate	Intermediate	6,264	218
Upload fails because GitHub Advanced Security is disabled	Security	Troubleshooting	What to do when you see this warning	No	876	Beginner	Intermediate	16,259	72
was rejected because CodeQL default setup is enabled for code scan	Security	Troubleshooting	What to do when you see this warning	No	2,222	Intermediate	Intermediate	19,753	57
GitHub token is required to upload SARIF results	Security	Troubleshooting	What to do when you see this warning	No	1,207	Intermediate	Intermediate	15,517	80
SARIF file is invalid	Security	Troubleshooting	What to do when you see this warning What to do when you see this warning	No	1,207	Intermediate	Intermediate	13.023	122
					7.201			12,586	
SARIF results file is too large	Security	Troubleshooting	What to do when you see this warning	No		Advanced	Advanced		130
SARIF results exceed one or more limits	Security	Troubleshooting	What to do when you see this warning	No	7,551	Advanced	Advanced	12,437	138
About the CodeQL CLI	Security	Overview	About CodeQL CLI	No	6,571	Intermediate	Intermediate	65,555	28
Setting up the CodeQL CLI	Security	Tutorial	Setting up the CodeQL CLI	No	6,806	Intermediate	Intermediate	78,599	23
Preparing your code for CodeQL analysis	Security	Technical Guide	building a CodeQL database	No	23.946	Advanced	Advanced	76.513	25
Analyzing your code with CodeQL gueries	Security	Tutorial	how to run queries against a CodeQL database	No	16,875	Advanced	Advanced	49,305	38
Uploading CodeQL analysis results to GitHub	Security	Technical Guide	How to use the CodeQL to upload CodeQL analysis to GitHub	No	8,532	Advanced	Advanced	14,164	105
Customizing analysis with CodeQL packs	Security	Technical Guide	how to use CodeQL to run CodeQL queries maintained by others	No	11,998	Advanced	Advanced	24,314	49
Advanced setup of the CodeQL CLI	Security	Technical Guide	modify your CodeQL CLI setup to use a local checkout	No	8,475	Advanced	Advanced	13,114	119
About CodeQL workspaces	Security	Technical Guide	develop and maintain a group of CodeQL packs	No	8,179	Advanced	Advanced	7,095	213
Using custom queries with the CodeQL CLI	Security	Technical Guide	write CodeQL queries to fine specific vulnerabilities	No	5,070	Advanced	Advanced	2,013	253
Creating CodeQL query suites	Security	Technical Guide	create query suites for frequently used CodeQL analyses	No	12 705	Advanced	Advanced	18.018	67
		Technical Guide		No.	11726	Advanced	Advanced	9188	193
Testing custom queries	Security		tests for your CodeQL queries		1.91-0			9,188	201
Testing query help files	Security	Technical Guide	Use CodeQL CLI to prebiew query help files	No	3,623	Advanced	Advanced	4,4	
Creating and working with CodeQL packs	Security	Technical Guide	CodeQL packs to create, share, depend on, and run CodeQL queries	No	8,601	Advanced	Advanced	14,707	95
Publishing and using CodeQL packs	Security	Technical Guide	publish your own CodeQL packs and use packs published by other people.	No	23,788	Advanced	Advanced	15,124	87
Specifying command options in a CodeQL configuration file	Security	Technical Guide	save default command options in a CodeQL	No	1,594	Advanced	Advanced	10,796	175
Query reference files	Security	Technical Guide	use query reference files to define the location of a query	No	2,337	Advanced	Advanced	5,854	224
CodeQL CLI SARIF output		Technical Guide	output SARIF from the CodeQL CLI	No	8.545	Advanced	Advanced	13.606	113
	Security				-,,-			-,	
CodeQL CLI CSV output	Security	Technical Guide	output results from the CodeQL CLI	No	1,980	Advanced	Advanced	8,209	203
Extractor options	Security	Technical Guide	use the CodeQL CLI to run CodeQL processes locally	No	7,926	Advanced	Advanced	8,196	204
Exit codes	Security	Troubleshooting	Exit codes signify the status of a command	No	2,595	Intermediate	Intermediate	16,036	73
Creating CodeQL CLI database bundles	Security	Technical Guide	create a database bundle with CodeQL troubleshooting information	No	2,036	Advanced	Advanced	821	256
<u>bgrs decode</u>	Security	Technical Guide	Convert result data from BQRS into other forms.	No	4131	Advanced	Advanced	14 469	101
	Security	Technical Guide	Compute the difference between two result sets	No.	2,667	Advanced	Advanced	11.353	159
bgrs diff			The process of the contract of	****	-,			.,,	
bgrs hash	Security	Technical Guide	Compute a stable hash of a BQRS file	No	1,864	Advanced	Advanced	13,963	108
<u>bgrs info</u>	Security	Technical Guide	Display metadata for a BQRS file	No	2,760	Advanced	Advanced	11,109	168
<u>bgrs interpret</u>			Interpret data in a single BQRS					12.762	125
	Security	Technical Guide	interpret data in a single boks	No	8,116	Advanced	Advanced		
database add-diagnostic	Security Security	Technical Guide Technical Guide	Add a piece of diagnostic information to a database	No No	8,116 3,732	Advanced Advanced	Advanced Advanced	11,895	141
					-, -			11,895 22,270	141 51
database analyze	Security Security	Technical Guide Technical Guide	Add a piece of diagnostic information to a database lyze a database, producing meaningful results in the context of the source c	No No	3,732 20,326	Advanced Advanced	Advanced Advanced	22,270	51
database analyze database bundle	Security Security Security	Technical Guide Technical Guide Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeQL database	No No No	3,732 20,326 4,249	Advanced Advanced Advanced	Advanced Advanced Advanced	22,270 12,454	51 137
database analyze database bundle database cleanup	Security Security Security Security	Technical Guide Technical Guide Technical Guide Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk	No No No	3,732 20,326 4,249 3,367	Advanced Advanced Advanced Advanced	Advanced Advanced Advanced Advanced	22,270 12,454 14,148	51 137 106
database analyze database bundle database cleanup database export-diagnostics	Security Security Security Security Security Security	Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeQL database Compact a CodeQL database on disk Export diagnostic information from a database for a failed analysis.	No No No No	3,732 20,326 4,249 3,367 4,176	Advanced Advanced Advanced Advanced Advanced Advanced	Advanced Advanced Advanced Advanced Advanced Advanced	22,270 12,454 14,148 11,782	51 137 106 145
database analyze database bundle database cleanup	Security Security Security Security Security Security Security	Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation	No No No No No	3,732 20,326 4,249 3,367 4,176 6,439	Advanced Advanced Advanced Advanced Advanced Advanced Advanced	Advanced Advanced Advanced Advanced Advanced Advanced Advanced	22,270 12,454 14,148 11,782 16,576	51 137 106 145 71
database analyze database bundle database cleanup database export-diagnostics	Security Security Security Security Security Security	Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeQL database Compact a CodeQL database on disk Export diagnostic information from a database for a failed analysis.	No No No No	3,732 20,326 4,249 3,367 4,176	Advanced Advanced Advanced Advanced Advanced Advanced	Advanced Advanced Advanced Advanced Advanced Advanced	22,270 12,454 14,148 11,782	51 137 106 145
database analyze database bundle database cleanup database schildianostics database finalize	Security Security Security Security Security Security Security	Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation	No No No No No	3,732 20,326 4,249 3,367 4,176 6,439	Advanced Advanced Advanced Advanced Advanced Advanced Advanced	Advanced Advanced Advanced Advanced Advanced Advanced Advanced	22,270 12,454 14,148 11,782 16,576	51 137 106 145 71 121
database analyze database bundle database cleanup database export diagnostics database finalize database innort database index files	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database into another unfinalized database into another unfinalized database into another unfinalized database index standalone files with a given CodeOL extractor.	No No No No No No	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686	51 137 106 145 71 121 127
database analyze database bundle diatabase cleanup database export-diagnostics database finalize database import database import database init	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standalone files with a given CodeOL extractor. Create an empty CodeOL database	No	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276	51 137 106 145 71 121 127 85
database analyze database bundle database cleanus database cleanus database export-diagnostics database import database import database index-files database init database init database init	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standalone files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244	51 137 106 145 71 121 127 85 117
database analyze database bundle database cleanup database export-diagnostics database finalize database import database index-flies database init database init database init database initorpret-results database print-baseline	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016	Advanced	Advanced	22,270 12,454 14,48 11,782 16,576 13,067 12,686 15,276 13,244 1,326	51 137 106 145 71 121 127 85 117
database analyze database bundle database cleanup database export-diagnostics database export-diagnostics database infaulze database import database index-files database inits database inits	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standalone files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244	51 137 106 145 71 121 127 85 117
database analyze database bundle database cleanup database export-diagnostics database finalize database import database index-flies database init database init database init database initorpret-results database print-baseline	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016	Advanced	Advanced	22,270 12,454 14,48 11,782 16,576 13,067 12,686 15,276 13,244 1,326	51 137 106 145 71 121 127 85 117
database analyze database bundle database cleanup database export-dispnostics database indize database rint-poseline database run-queries database run-queries database run-queries	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database reation Import unfinalized database(s) into another unfinalized database Index standalone files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run a single command as part of a traced build	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658	51 137 106 145 71 121 127 85 117 161 68
database analyze database bundle database cleanup database export-diagnostics database finalize database import database index-files database init database init database print-baseline database print-baseline database run-queries database run-queries database trace-command database un-bundle	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database index standaione files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run a single command as pant of a traced build Extracts a CodeOL database archive	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408	51 137 106 145 71 121 127 85 117 161 68 152
database analyze database bundle database deanup database evont-diagnostics database enforce database infairze database inforce database inforce database inforce database inforce database inforcet-results database prim-baseline database prim-baseline database uncueries database uncueries database uncueries database uncueries database unbundle database unbundle	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standalone files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run a single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298	Advanced	Advanced	22,270 12,454 14,48 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978	51 137 106 145 71 121 127 85 117 161 68 152 115 89
database analyze database bundle database cleanup database export disanostics database export disanostics database infort database unfort database unfort database undorde database undorde database undorde database undorde database undorde database undorde	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run a single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools Check a particular dataset for internal consistency	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298 2,999	Advanced	Advanced	22,270 12,454 14,148 11,782 15,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978	51 137 106 145 71 121 127 85 117 161 68 152 115 89
database analyze database bundle database cleanup database export-diagnostics database export-diagnostics database inflatize database print-baselline database print-baselline database unchundle database unbundle database unbundle database unbundle database unbundle database theck dataset check dataset check	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools Check a particular dataset for internal consistency Clean up temporary files from a dataset.	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298 2,999 3,374	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978 15,424 14,955	51 137 106 145 71 121 127 85 117 161 68 152 115 89
database analyze database bundle database cleanup database export diagnostics database export diagnostics database import database index files database index files database intit database print baseline database print baseline database untunder database unbundle database unbundle database unbundle database unbrundle database unbrundle database unbrundle database unbrundle database unbrundle database unbrundle	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source c Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run a single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools Check a particular dataset for internal consistency	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298 2,999	Advanced	Advanced	22,270 12,454 14,148 11,782 15,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978	51 137 106 145 71 121 127 85 117 161 68 152 115 89
database analyze database bundle database deanup database export-diagnostics database import database import database index-files database index-files database interpret-results database print-baseline database print-baseline database unduperies database unduperies database unduperies database unduperies database unduperie	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database Index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools Check a particular dataset for internal consistency Clean up temporary files from a dataset.	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298 2,999 3,374	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978 15,424 14,955	51 137 106 145 71 121 127 85 117 161 68 152 115 89
database analyze database bundle database cleanup database export-diagnostics database export-diagnostics database import database index-files database index-files database index-files database print-baseline database print-baseline database print-baseline database undex-files data	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database index standation files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a set of queries together Run a single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools Check a particular dataset for internal consistency Clean up temporary files from a dataset. Import a set of TRAP files to a raw dataset.	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298 2,999 3,374 3,733 2,543	Advanced	Advanced	22,270 12,454 14,148 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978 15,524 14,955 15,542 11,025	51 137 106 145 71 121 127 85 117 161 68 152 115 89 82 90 79
database analyze database bundle database cleanup database export-dianostics database export-dianostics database import database import database interesties database interesties database interesties database print-baseline database print-baseline database tru-queries database tru-queries database un-queries database un-queries database un-queries database un-queries database un-queries database un-queries database database database database database database database database un-queries	Security	Technical Guide	Add a piece of diagnostic information to a database yze a database, producing meaningful results in the context of the source of Create a relocatable archive of a CodeOL database Compact a CodeOL database on disk Export diagnostic information from a database for a failed analysis. Final steps in database creation Import unfinalized database(s) into another unfinalized database index standalone files with a given CodeOL extractor. Create an empty CodeOL database Interpret computed query results into meaningful formats Print a summary of the baseline lines of code seen Run a single command as part of a traced build Extracts a CodeOL database archive Upgrade a database so it is usable by the current tools Check a particular dataset for internal consistency Clean up temporary files from a dataset. Import a set of TRAP files to a raw dataset.	No N	3,732 20,326 4,249 3,367 4,176 6,439 4,954 9,031 12,815 9,661 3,016 15,388 8,042 2,464 7,298 2,999 3,374 3,733	Advanced	Advanced	22,270 12,454 14,48 11,782 16,576 13,067 12,686 15,276 13,244 11,326 17,391 11,658 13,408 14,978 15,424 14,955 15,542	51 137 106 145 71 121 127 85 117 161 68 152 115 89 82 90

diagnostic export									
	Security	Technical Guide	Export diagnostic information for a failed analysis	No	3,741	Advanced	Advanced	14,550	97
execute cli-server	Security	Technical Guide	rver for running multiple commands while avoiding repeated JVM initializati	No	1,932	Advanced	Advanced	11,240	164
execute language-server	Security	Technical Guide	On-line support for the QL language in IDEs.	No	2 593	Advanced	Advanced	10.723	176
execute queries	Security	Technical Guide	Run one or more queries against a dataset	No	14,055	Advanced	Advanced	12,892	123
	,								
execute query-server	Security	Technical Guide	Support for running queries from IDEs	No	2,163	Advanced	Advanced	11,839	144
execute query-server2	Security	Technical Guide	Support for running queries from IDEs.	No	6,624	Advanced	Advanced	14,523	99
execute upgrades	Security	Technical Guide	Run upgrade scripts on an existing raw QL dataset.	No	7,996	Advanced	Advanced	14,589	96
generate extensible-predicate-metadata	Security	Technical Guide	Report the extensible predicates found in the given pack	No	2.068	Advanced	Advanced	10.834	174
					,,,,,			-,	
generate log-summary	Security	Technical Guide	Create a summary of a structured log file	No	3,796	Advanced	Advanced	15,224	86
generate query-help	Security	Technical Guide	Generate end-user query help from .qhelp files	No	6,315	Advanced	Advanced	11,583	153
github merge-results	Security	Technical Guide	Merges multiple SARIF files into a single SARIF file	No	2.362	Advanced	Advanced	13.155	118
	Security	Technical Guide	Uploads a SARIF file to GitHub code scanning.	No	5.219	Advanced	Advanced	18.386	64
github upload-results									
pack add	Security	Technical Guide	a list of QL library packs with optional version ranges	No	3,992	Advanced	Advanced	14,454	102
pack bundle	Security	Technical Guide	Bundle a QL library pack	No	6,324	Advanced	Advanced	11,686	151
pack ci	Security	Technical Guide	Install dependencies for this pack	No	5.940	Advanced	Advanced	11.350	160
		Technical Guide	111 1111 111 111 111 111	No	6 389	Advanced	Advanced	10.664	180
pack create	Security		Builds the contents of a QL package from source code		-,			10,000	
pack download	Security	Technical Guide	Download the set of qlpacks	No	5,729	Advanced	Advanced	18,644	63
pack init	Security	Technical Guide	Initializes a qlpack in the specified directory	No	2,336	Advanced	Advanced	10,702	177
pack install	Security	Technical Guide	Install dependencies for this pack	No	7.156	Advanced	Advanced	14.029	107
								,, ,	
pack Is	Security	Technical Guide	List the CodeQL packages rooted at this directory	No	2,887	Advanced	Advanced	13,841	109
pack packlist	Security	Technical Guide	Compute the set of files to be included in a QL query pack or library pack	No	2,211	Advanced	Advanced	11,571	154
pack publish	Security	Technical Guide	Publishes a QL library pack to a package registry	No	7,786	Advanced	Advanced	11.895	141
								,,,,,	
pack resolve-dependencies	Security	Technical Guide	Compute the set of required dependencies for this QL pack.	No	6,515	Advanced	Advanced	11,311	162
pack upgrade	Security	Technical Guide	Update the dependencies for this pack to the latest available versions	No	5,525	Advanced	Advanced	14,477	100
query compile	Security	Technical Guide	Compile or check QL code.	No	9,012	Advanced	Advanced	12,472	136
query decompile	Security	Technical Guide	Read an intermediate representation of a compiled query from a .qlo file	No	2.541	Advanced	Advanced	11.749	146
					, , ,			, .	
query format	Security	Technical Guide	Autoformat QL source code	No	2,798	Advanced	Advanced	14,535	98
query run	Security	Technical Guide	Run a single query	No	12,926	Advanced	Advanced	18,778	62
resolve database	Security	Technical Guide	Report metadata about the database	No	2 043	Advanced	Advanced	11141	165
resolve extensions	Security	Technical Guide	Determine accessible extensions	No	6,639	Advanced	Advanced	13,717	111
resolve extensions-by-pack	Security	Technical Guide	Determine accessible extensions for the given paths to pack roots	No	5,839	Advanced	Advanced	10,670	179
resolve extractor	Security	Technical Guide	Determine the extractor pack to use for a given language	No	3,039	Advanced	Advanced	10,847	173
resolve files	Security	Technical Guide	Expand a set of file inclusion/exclusion globs	No	5.139	Advanced	Advanced	10.886	172
					.,			,	
resolve languages	Security	Technical Guide	List installed CodeQL extractor packs	No	3,079	Advanced	Advanced	12,175	140
resolve library-path	Security	Technical Guide	Determine QL library path and dbscheme for a query	No	7,090	Advanced	Advanced	12,527	135
resolve metadata	Security	Technical Guide	Resolve and return the key-value metadata pairs from a query source file	No	2,143	Advanced	Advanced	11,710	150
		Technical Guide			5,657	Advanced	Advanced	9.014	197
resolve ml-models	Security		Determine accessible machine learning models.	No	-,			-1	
resolve packs	Security	Technical Guide	Display a list of available CodeQL packs and their locations	No	4,941	Advanced	Advanced	7,062	214
resolve glpacks	Security	Technical Guide	Create a list of installed QL packs and their locations	No	5,285	Advanced	Advanced	11.544	156
resolve glref	Security	Technical Guide	Dereferences a .giref file to return a .gl one	No	5,293	Advanced	Advanced	10,527	182
		Technical Guide			6.352	Advanced		11,090	169
resolve queries	Security		Expand query directories and suite specifications	No	-,,-,-	.	Advanced	.,,	
resolve ram	Security	Technical Guide	Prepare RAM options	No	3,003	Advanced	Advanced	12,528	134
resolve tests	Security	Technical Guide	Find QL unit tests in given directories	No	3.256	Advanced	Advanced	10.699	178
resolve upgrades	Security	Technical Guide	Determine upgrades to run for a raw dataset	No	4.297	Advanced	Advanced	13.476	114
					, .			., .	
test accept	Security	Technical Guide	Accept results of failing unit tests.	No	3,617	Advanced	Advanced	10,645	181
test extract	Security	Technical Guide	Build a dataset for a test directory.	No	4,448	Advanced	Advanced	14,987	88
test run	Security	Technical Guide	Run unit tests for QL queries	No	12,560	Advanced	Advanced	13,680	112
		Technical Guide			1.884				
version	Security		Show the version of the CodeQL toolchain.	No	,	Advanced	Advanced	11,420	158
About CodeQL for VS Code	Security	Overview	write, run, and test CodeQL queries inside Visual Studio Code	No	3,176	Intermediate	Intermediate	11,721	149
Installing CodeQL for Visual Studio Code	Security	Tutorial	get started with CodeQL for Visual Studio Code	No					
Managing CodeQL databases	Security	Tutorial	3		2.062	Intermediate	Intermediate	12.664	128
Managing CodeQL databases			work with CodeOL databases using the outcoming					12,664	128
			work with CodeQL databases using the extension	No	2,320	Intermediate	Intermediate	12,664 12,329	128 139
Running CodeQL queries	Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code	No No	2,320 8,477	Intermediate Intermediate	Intermediate Intermediate	12,664 12,329 14,918	128 139 93
Running CodeQL queries Exploring data flow with path queries	Security Security			No	2,320	Intermediate	Intermediate	12,664 12,329	128 139
Exploring data flow with path queries	Security	Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data	No No No	2,320 8,477	Intermediate Intermediate Intermediate	Intermediate Intermediate	12,664 12,329 14,918 9,357	128 139 93
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis	Security Security	Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories	No No No	2,320 8,477 2,058 11,528	Intermediate Intermediate Intermediate Intermediate	Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7,120	128 139 93 190 212
Exploring data flow with path queries Running CodeQL queries at scale with multi-repository variant analysis <u>Using the CodeQL model editor</u>	Security Security Security	Tutorial Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code	No No No No No	2,320 8,477 2,058 11,528 10,157	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7,120 6,601	128 139 93 190 212 216
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis	Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query	No No No No No	2,320 8,477 2,058 11,528 10,157 1,492	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805	128 139 93 190 212 216 235
Exploring data flow with path queries Running CodeQL queries at scale with multi-repository variant analysis <u>Using the CodeQL model editor</u>	Security Security Security	Tutorial Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code	No No No No No	2,320 8,477 2,058 11,528 10,157	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7,120 6,601	128 139 93 190 212 216
Exploring data flow with path queries Running CodeQL queries at scale with multi-repository variant analysis Using the CodeQL model editor Creating a custom query Managing CodeQL query packs and library packs	Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code	No No No No No No	2,320 8,477 2,058 11,528 10,157 1,492 2,929	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539	128 139 93 190 212 216 235 237
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code	Security Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data	No No No No No No	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974	Intermediate	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586	128 139 93 190 212 216 235 237 199
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code	Security Security Security Security Security Security Security Security Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension	No	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175	128 139 93 190 212 216 235 237 199 229
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code	Security Security Security Security Security Security Security	Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data	No No No No No No	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974	Intermediate	Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586	128 139 93 190 212 216 235 237 199
Exploring data flow with path queries Running CodeOL, queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings	Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax ree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code	No	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175	128 139 93 190 212 216 235 237 199 229
Exploring data flow with path queries Running CodeOL queries at scale with multi-expository variant analysis Using the CodeOL model editor C'reating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace	Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,246 5,722 2,792	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175 9,944 4,914	128 139 93 190 212 216 225 237 199 229 185
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL mode ledior Creating a custom query Managing CodeOL unery packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI	Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries no a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL query and library backs in Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code careful code codeQL CL to compile and run	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919	Intermediate	intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998	128 139 93 190 212 216 235 237 199 229 185 231
Exploring data flow with path queries Running CodeOL queries at scale with multi-expository variant analysis Using the CodeOL model editor C'reating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace	Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919 3,036	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328	128 139 93 190 212 216 235 237 199 229 185 231 220
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CU Telementy in CodeOL for Visual Studio Code	Security	Tutorial	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries no a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL query and library backs in Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code careful code codeQL CL to compile and run	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919	Intermediate	intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998	128 139 93 190 212 216 235 237 199 229 185 231
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor C'reating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Accessing logs	Security	Tutorial Troubleshooting Technical Guide Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Cod un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,919 3,036 790	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,5998 8,328 4,745	128 139 93 190 212 216 225 237 199 229 185 231 220 202
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL mode ledior Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository	Security	Tutorial Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries no a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data un unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telementry how to troubleshoot problems with CodeQL for Visual Studio Code	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919 3,036 790	Intermediate	Intermediate	12,664 12,329 14,918 9,357 71;20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor C'reating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Accessing logs	Security	Tutorial Troubleshooting Troubleshooting Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL more on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code on use the AST viewer to display the abstract syntax ree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code vou see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and ma	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,246 5,722 2,792 1,519 3,3036 790 940 9124	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL mode ledior Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository	Security	Tutorial Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries no a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data un unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telementry how to troubleshoot problems with CodeQL for Visual Studio Code	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919 3,036 790	Intermediate	Intermediate	12,664 12,329 14,918 9,357 71;20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173	128 139 93 190 212 216 225 237 199 229 185 231 220 202 236 247
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL moder delivery Managina CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Nisual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gift-fub Advisory database About dobal security advisories	Security	Tutorial Troubleshooting Troubleshooting Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL more on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code on use the AST viewer to display the abstract syntax ree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code vou see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and ma	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,246 5,722 2,792 1,519 3,3036 790 940 9124	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gilthub Advisory database About global security advisories Browsing security advisories in the Gilthub Advisory Database	Security	Tutorial Troubleshooting Technical Guide Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code unumber of the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code ous see this warning, update your controller repository to a private reposito b Advisory Database contanis a list of known security vulnerabilities and me Global Securitlies advising Browse the GitHub Advisory Database	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,519 3,036 790 940 9124 2,636 4,512	Intermediate	Intermediate Advanced Advanced	12,664 12,329 14,918 9,357 71,20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editory Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL vorkspace Confliquing access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository. About the Gilflub Advisory database About the Gilflub Advisory database About global security advisories Browsing security advisories in the Gilflub Advisory Database Editing security advisories in the Gilflub Advisory Database	Security	Tutorial Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL more on a large number of repositories view, write, and edit CodeQL more of packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code with the code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CL to compile and run VS Code telementy how to troubleshoot problems with CodeQL for Visual Studio Code you see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and ma Global Securities advising Browse the Gilthub Advisory Database Editing security advisories in the Gilthub Advisory Database	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,1919 3,036 790 940 9,124 2,636 4,512 2,637	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gilthub Advisory database About global security advisories Browsing security advisories in the Gilthub Advisory Database	Security	Tutorial Troubleshooting Technical Guide Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code unumber of the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code ous see this warning, update your controller repository to a private reposito b Advisory Database contanis a list of known security vulnerabilities and me Global Securitlies advising Browse the GitHub Advisory Database	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,519 3,036 790 940 9124 2,636 4,512	Intermediate	Intermediate Advanced Advanced	12,664 12,329 14,918 9,357 71,20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92
Exploring data flow with path queries Running CodeOL queries at scale with multi-respository variant analysis Using the CodeOL moder display Manalina CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Nisual Studio Code Customizing settings Setting up a CodeOL workspace Confliquing access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gill+lub Advisory database About olobal security advisories Browsing security advisories in the Gill+lub Advisory Database About repository security advisories About repository security advisories	Security	Tutorial Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL more on a large number of repositories view, write, and edit CodeQL more of packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code with the code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CL to compile and run VS Code telementy how to troubleshoot problems with CodeQL for Visual Studio Code you see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and ma Global Securities advising Browse the Gilthub Advisory Database Editing security advisories in the Gilthub Advisory Database	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,1919 3,036 790 940 9,124 2,636 4,512 2,637	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gilt-lub Advisory database About global security advisories Browsing accurity advisories in the Gilt-lub Advisory Database Editing security advisories	Security	Tutorial Troubleshooting Technical Guide Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code ous see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and me Global Securities advising Browse the GilHub Advisory Database Repository Security Advisories Repository Security Advisories	No N	2.320 8.477 2.058 11.528 10.157 1.492 2.929 1.974 2.846 5.722 2.792 1.919 3.036 790 940 9124 2.636 4.512 2.637 6.606 2.362	Intermediate Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 71,20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558 61,012 7,3377	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Conflouring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gill-thib Advisory database About the Gill-thib Advisory database Browsing security advisories in the Gill-thib Advisory Database Editing accurity advisories in the Gill-thib Advisory Database About repository security advisories Permission levels for repository security advisories Permission levels for repository security advisories Configuring private vulnerability reporting for a repository	Security	Tutorial Troubleshooting Technical Guide Troubleshooting Technical Guide	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you truck the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL Ct I to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code you see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and me Global Securities advising Browse the Githlub Advisory Database Editing security advisories Repository Security Advisories Repository Security Advisories Repository Security Advisories	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,1919 3,036 790 940 9124 2,636 4,512 2,637 6,606 2,362 5,219	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558 61,012 7,377 15,587	128 139 93 190 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31 209 78
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gilt-lub Advisory database About global security advisories Browsing accurity advisories in the Gilt-lub Advisory Database Editing security advisories	Security	Tutorial Troubleshooting Technical Guide Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code ous see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and me Global Securities advising Browse the GilHub Advisory Database Repository Security Advisories Repository Security Advisories	No N	2.320 8.477 2.058 11.528 10.157 1.492 2.929 1.974 2.846 5.722 2.792 1.919 3.036 790 940 9124 2.636 4.512 2.637 6.606 2.362	Intermediate Advanced Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	Intermediate Advanced Advanced Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate Intermediate	12,664 12,329 14,918 9,357 71,20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558 61,012 7,3377	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Conflouring access to the CodeOL CLI Telemetry in CodeOL for Visual Studio Code Accessing logs Problem with controller repository About the Gill-thib Advisory database About the Gill-thib Advisory database Browsing security advisories in the Gill-thib Advisory Database Editing accurity advisories in the Gill-thib Advisory Database About repository security advisories Permission levels for repository security advisories Permission levels for repository security advisories Configuring private vulnerability reporting for a repository	Security	Tutorial Troubleshooting Technical Guide Troubleshooting Technical Guide	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you truck the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL Ct I to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code you see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and me Global Securities advising Browse the Githlub Advisory Database Editing security advisories Repository Security Advisories Repository Security Advisories Repository Security Advisories	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,846 5,722 2,792 1,1919 3,036 790 940 9124 2,636 4,512 2,637 6,606 2,362 5,219	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558 61,012 7,377 15,587	128 139 93 190 212 216 225 237 199 229 185 231 220 202 236 247 41 92 30 155 31 209 78
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Tetemetry in CodeOL for Visual Studio Code Accessing loas Problem with controller repository About the difflub Advisory database About the difflub Advisory database Editing security advisories in the GitHub Advisory Database Editing security advisories in the GitHub Advisory Database Editing security advisories in the GitHub Advisory Database About repository security advisories Configuring private vulnerability reporting for a repository Configuring private vulnerability reporting for a repository Creating a repository security advisories Configuring private vulnerability reporting for a repository Creating a repository security advisory	Security	Tutorial Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax ree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code and code extension uses the CodeQL Code extension with the settings for the CodeQL for Visual Studio Code with the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries. For Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code was estimating, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and me Global Securities advising Browse the GlitHub Advisory Database Repository Security Advisories	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,1974 2,246 5,722 2,792 1,1919 3,036 7,90 940 9124 2,636 4,512 2,637 6,606 2,362 5,219 3,992 6,324	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7,120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,985 14,919 61,659 11,558 61,012 7,377 15,587 9,846 15,976	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31 209 78 186 75
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor C'reating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Yisual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CUI Telemetry in CodeOL for Yisual Studio Code Accessing logs Problem with controller repository About the Gill-thib Advisory database About the Gill-thib Advisory database Browsing security advisories in the Gill-thib Advisory Database Editing security advisories in the Gill-thib Advisory Database Permission levels for repository security advisories Configuring private vulnerability reporting for a repository Configuring private vulnerability reporting for an organization Creating a repository security advisory Editing a repository security advisory Editing a repository security advisory	Security	Tutorial Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you truck the flow of data un CodeQL queries no a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL query and library packs in Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CL to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code you see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and ms Global Securities advising Browse the GitHub Advisory Database Editing security advisories Repository Security Advisories	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919 3,036 790 940 9124 2,636 4,512 2,636 4,512 2,637 6,606 2,362 5,219 3,992 6,324 5,540	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,995 11,919 61,559 11,558 61,012 7,377 15,587 9,946 15,976 5,462	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31 209 78 186 76 227
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Using the CodeOL model editor Creating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Visual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CLI Tetemetry in CodeOL for Visual Studio Code Accessing loas Problem with controller repository About the difflub Advisory database About the difflub Advisory database Editing security advisories in the GitHub Advisory Database Editing security advisories in the GitHub Advisory Database Editing security advisories in the GitHub Advisory Database About repository security advisories Configuring private vulnerability reporting for a repository Configuring private vulnerability reporting for a repository Creating a repository security advisories Configuring private vulnerability reporting for a repository Creating a repository security advisory	Security	Tutorial Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you track the flow of data un CodeQL queries on a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax ree of a CodeQL data run unit tests for CodeQL queries using the Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code and code extension uses the CodeQL Code extension with the settings for the CodeQL for Visual Studio Code with the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries. For Visual Studio Code extension uses the CodeQL CLI to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code was estimating, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and me Global Securities advising Browse the GlitHub Advisory Database Repository Security Advisories	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919 3,036 790 940 9,124 2,636 4,512 2,637 6,606 2,362 5,219 3,992 6,324 5,940 6,389	Intermediate	Intermediate	12,664 12,329 14,918 9,357 77,20 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,995 14,919 61,659 11,558 61,012 7,337 15,587 9,846 15,976 5,462 8,575	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31 209 78 186 75 227
Exploring data flow with path queries Running CodeOL queries at scale with multi-repository variant analysis Lising the CodeOL model editor C'reating a custom query Managing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL query packs and library packs Exploring the structure of your source code Testing CodeOL queries in Yisual Studio Code Customizing settings Setting up a CodeOL workspace Configuring access to the CodeOL CUI Telemetry in CodeOL for Yisual Studio Code Accessing logs Problem with controller repository About the Gill-thib Advisory database About the Gill-thib Advisory database Browsing security advisories in the Gill-thib Advisory Database Editing security advisories in the Gill-thib Advisory Database Permission levels for repository security advisories Configuring private vulnerability reporting for a repository Configuring private vulnerability reporting for an organization Creating a repository security advisory Editing a repository security advisory Editing a repository security advisory	Security	Tutorial Troubleshooting	un queries on CodeQL databases and view the results in Visual Studio Code un CodeQL queries in Visual Studio Code to help you truck the flow of data un CodeQL queries no a large number of repositories view, write, and edit CodeQL model packs in Visual Studio Code work from a template to write your own code to create a custom query edit CodeQL query and library packs in Visual Studio Code using the Code an use the AST viewer to display the abstract syntax tree of a CodeQL data run unit tests for CodeQL query and library packs in Visual Studio Code extension edit the settings for the CodeQL for Visual Studio Code Access to the standard libraries and queries for Visual Studio Code extension uses the CodeQL CL to compile and run VS Code telemetry how to troubleshoot problems with CodeQL for Visual Studio Code you see this warning, update your controller repository to a private reposito b Advisory Database contains a list of known security vulnerabilities and ms Global Securities advising Browse the GitHub Advisory Database Editing security advisories Repository Security Advisories	No N	2,320 8,477 2,058 11,528 10,157 1,492 2,929 1,974 2,846 5,722 2,792 1,919 3,036 790 940 9124 2,636 4,512 2,636 4,512 2,637 6,606 2,362 5,219 3,992 6,324 5,540	Intermediate	Intermediate	12,664 12,329 14,918 9,357 7120 6,601 4,805 4,539 8,586 5,175 9,944 4,914 5,998 8,328 4,745 3,173 45,995 11,919 61,559 11,558 61,012 7,377 15,587 9,946 15,976 5,462	128 139 93 190 212 216 235 237 199 229 185 231 220 202 236 247 41 92 30 155 31 209 78 186 76 227

Adding a collaborator to a repository security advisory	Security	Technical Guide	Repository Security Advisories	No	7,156	Intermediate	Intermediate	6,041	219
Removing a collaborator from a repository security advisory	Security	Technical Guide	Repository Security Advisories	No	2,887	Intermediate	Intermediate	4,418	238
Deleting a repository security advisory	Security	Technical Guide	Repository Security Advisories	No	2,211	Intermediate	Intermediate	6,763	215
	Security	Technical Guide	repository occurry Parisones	No	7,786	Intermediate	Intermediate	15,346	84
About coordinated disclosure of security vulnerabilities									
Best practices for writing repository security advisories	Security	Technical Guide		No	2,362	Intermediate	Intermediate	5,990	222
Privately reporting a security vulnerability	Security	Technical Guide		No	5,219	Advanced	Advanced	63,080	29
Managing privately reported security vulnerabilities	Security	Technical Guide		No	3,992	Advanced	Advanced	8,020	207
About supply chain security	Security	Technical Guide		No	6,324	Advanced	Advanced	96,734	19
About the Dependency graph	Security	Technical Guide	Supply Chain Security	No	5,940	Intermediate	Intermediate	260,209	5
			Зарріу Спані Зесанту		6.389	Intermediate	Intermediate	15,858	76
Dependency graph supported package ecosystems	Security	Technical Guide		No					
Configuring the dependency graph	Security	Technical Guide		No	5,729	Intermediate	Intermediate	43,861	42
Configuring automatic dependency submission for your repository	Security	Technical Guide		No	2,336	Intermediate	Intermediate	10,182	184
Exporting a software bill of materials for your repository	Security	Technical Guide		No	7,156	Intermediate	Intermediate	58,192	34
Using the dependency submission API	Security	Technical Guide		No	2,887	Intermediate	Intermediate	59,699	32
About dependency review	Security	Technical Guide		No	2,211	Advanced	Advanced	82,448	22
	Security	Technical Guide		No	7,786	Advanced	Advanced	2,975	250
Configuring the dependency review action									
Dependabot options reference	Security	Technical Guide	Work with Dependabot	No	29,626	Advanced	Advanced	848,897	2
Configuring Dependabot security updates	Security	Technical Guide	Dependabot Security Updates	No	8,507	Advanced	Advanced	682,587	3
About Dependabot security updates	Security	Technical Guide	Dependabot Security Updates	No	10,280	Intermediate	Intermediate	227,126	6
Configuring Dependabot version updates	Security	Tutorial	Dependabot Version Updates	No	10,931	Advanced	Advanced	216,257	7
About Dependabot alerts	Security	Overview	Dependabot Version Updates	No	7,785	Intermediate	Intermediate	203,297	8
					6,351	Advanced		159,564	13
Automating Dependabot with GitHub Actions	Security	Technical Guide	Work with Dependabot	No			Advanced		
About Dependabot version updates	Security	Overview	Dependabot Version Updates	No	6,235	Intermediate	Intermediate	129,581	15
							Total SUM of Views>	8,377,029	
							# of Advanced	<u> </u>	
							# of Intermediate		
							# of Beginner		
									
	-						# of Techincal Guide		
							# of Overview		
							# of Tutorials		
						<u> </u>			
						<u> </u>			
						<u> </u>			
						<u> </u>			<u> </u>
						-			
									
					<u> </u>	-			1
					-				
	-								
	-					-	-		+
	 				+		-		+
	 				+				+
									+
									+
									1
					ļ				+
									1
									1
									1
		+		l					1

				<u> </u>		
			1			
				1		
			1	ļ	1	
		<u> </u>	1	1	1	<u> </u>
<u> </u>		 	+	I	1	<u> </u>
					1	
		1		1	1	
	 		1		 	
<u> </u>			1		1	
				1		

	+		+		 	+	
			I		I	<u> </u>	<u> </u>
-							
+			 	+	-		
 L		<u> </u>	<u> </u>	L	<u> </u>	<u>l</u>	
			1	1	l	İ	
	1		1				
1					1		
			1	1	1	1	
	-		 				
			-		ļ		
					1		
	t		t	1	l	l	
 			1				
L			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
 1			· ·	I -	l -		
+							
t							

			+	l		+
			-			
				 	<u> </u>	1
			+	 	<u> </u>	+
	1					1
						1
				1		
			1	1	1	1
				<u> </u>		1
			+			+
						1
				L		I
				1		1
			1	l	<u> </u>	1
	+		I			1
			-			1
			-			

	1							
						1		
		-		+			+	
Service of the servic						1		
						1		
						1		
						+		
					 	t		
				 	 	-	l	
				İ	i .	1	İ	
				+			+	
				 	<u> </u>		 	
				ļ	-			
		L		<u> </u>				
				l .	1	1	İ	
		l		 	-	 	 	
				1	I	I	<u> </u>	
	T. Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con							

	+						
	-				ļ		
				l -	l -		
	 						
					-		
	+			 	 	<u> </u>	
	-						
					1		
	 			l	l		
	t						
	-				l		
	1				-		
		1	1	I.	I .	1	

					1		
	+		 	1		+	
					1		
				 			
	-						
	1		1		1	t e	1
 -	1	 	 	1	-		
	1						
-	1		1				
L	1		1				
	1	 	 	1		 	
	1		-				
			<u> </u>	1			
	1	 	1	1	1	İ	
 	1		+	1	 	 	
				1	I	<u> </u>	
					1		
	-						

					1		
				-			
					1		
			 	 		 	
			1	1	1	1	1
			 			 	
				1		1	
			1			1	
	-	l	+	1	-	 	
			1		1	1	
						1	
	 	 	+			 	
			1			l	
			1			1	
			+			 	
					1		
1							

```
[1] let _pages = () {
    docs_v0_page_event
    | where context.hostname == 'docs.github.com'
};
_pages
| where timestamp between (datetime(2023-01-01) .. datetime(2024-12-31))
| where context.path_article has "copilot"
| summarize Users = dcount(toguid(context.user))
    by Article = tostring(context.path_article)
| order by Users desc
| limit 10000
```

[2] If there are docs with same/very-close view counts, rankings will be same or very close