

Date	Start Time (24h)	End Time (24h)	Duration (hours)	Week Subtotal	Week Overtime	Notes
<b>Week 88</b>	<b>12/31</b>	<b>1/6</b>				
2023-01-03	14:15	15:00	0.75			Sync with John on SSL certificate matters and CoreDNS plugin development for on-chain DNS
2023-01-03	18:30	18:45	0.25			Review and revise 1.country preview metadata
2023-01-04	10:00	10:30	0.5			Discussion of matters related to namecheap special rate, short domain reservation, and drafting details
2023-01-04	21:30	22:30	1			Reserved domain registration, exhaustive list generation, pricing planning and discussions
2023-01-05	13:30	14:30	1			Review conversation related to Protofire Safe development and deployment, and work so far related to auditing; Review and provide feedback to Stripe and Cloudflare access requests
2023-01-06	11:00	12:00	1			Sync with John on difficult issues with DNSResolver and next steps
2023-01-06	23:00	0:00	1	5.5		DNS wire format research and evaluation of libraries
<b>Week 89</b>	<b>1/7</b>	<b>1/13</b>				
2023-01-07	14:30	15:30	1			Live debugging with John on DNSResolver interactions with ENS, related tests, and discussions on TODOs
2023-01-08	15:00	15:30	0.5			Sync with John to review the solution to DNSResolver record setting errors, existing tests, and next steps
2023-01-08	15:00	20:00	5			Examining non-contract Gnosis Safe customization and deployment made by Protofire team in private repositories
2023-01-09	1:00	3:00	2			(Continued) finalize non-contract code review; Provide summary of findings
2023-01-09	12:00	12:30	0.5			Assist Alan going through ens-registrar-relayer and next steps of ramping up
2023-01-09	16:30	17:00	0.5			Assist and clarification on DNS record issues with respect to profiles.demo.country and test1.dev.1.country; Review John progress updates, notes,, hns-go implementation proposals;
2023-01-09	18:30	19:00	0.5			Assist, review, and clarification on Stripe production key issues; Create sharable notes and access setting on keys
2023-01-09	21:00	23:00	2			Reviewing Gnosis Safe contracts deployed by Protofile and differences to previously audited version (Oct 9); Continuing to review John's notes and provide feedback
2023-01-10	17:00	22:00	5			Gnosis Safe contract diff review; Review of client side security, safe-gateway-typescript-sdk, and safe-client-gateway
2023-01-11	0:00	1:00	1			(Continued)
2023-01-11	8:00	9:30	1.5			Finish reviewing Gnosis Safe contracts and provide findings; Verifying deployed contract bytecode and comparing with published, flattened contract
2023-01-11	12:00	12:30	0.5	20.0		Sync with John on DNS contracts debugging and CoreDNS plugin developments
2023-01-12	21:00	0:00	3			Review latest updates from John and others; Update and detailed explanation of latest development, work-in-progress (DNS, SSL, auto-generated websites), and future work
2023-01-12	0:00	1:00	1		4.0	(Continued)
<b>Week 90</b>	<b>1/14</b>	<b>1/20</b>				
2023-01-15	11:15	12:00	0.75			Discussion with John on CoreDNS plugin tests, namehash issues, inconsistency between different versions of NameWrappers and ENS tests, and original go-ens tests, testing conventions and whether to use SLD or FQDN for registration
	12:30	12:45	0.25			(Continued) and resolve namehash inconsistency issues
2023-01-18	13:45	16:00	2.25			Major revision of article, Working with web2 domain systems in web3
	17:30	18:45	1.25			(Continued)
2023-01-19	22:00	0:00	2			Review CoreDNS manual; Research on DNS Wireformat, GCP Certificate Manager Client library, and authentication;
2023-01-20	0:00	3:00	3			(Continued) and implementing programmatic generation of Google-managed SSDL certificate at relay server
	12:00	12:30	0.5			Complete end-to-end provisioning of certificate by manually editing of zone file in CoreDNS
	18:30	20:00	1.5			(Continued)
	21:30	22:00	0.5	12		(Continued)
<b>Week 91</b>	<b>1/21</b>	<b>1/27</b>				
2023-01-21	0:30	1:30	1			Research and implementation on programmatic creation of DNSAuthorization and related data structures
	11:00	11:30	0.5			Research on target-proxy management and potential usage in libraries
	15:00	15:30	0.5			Research and implementation on creating self-managed certificate in GCP via libraries; Debugging and deploy self-managed certificate and set for target-proxies
	17:15	18:00	0.75			Research and implementation on target-proxy, CertificateManagerClient, and programmatic management of certificate map entries

2023-01-22	14:00	15:00	1		Debugging and end-to-end testing of programmatic generation of certificate with redis-backed zone record; Manual set up of existing reserved domains using end-to-end programmatic flow; Debugging on SSL version errors and related error codes
	16:30	18:00	1.5		(Continued)
2023-01-23	1:30	4:30	3		Debug and fix SERVFAIL and REFUSED errors with redis zone plus forward plugins; Debug and evaluate mysql-backed zone; Review and debug mysql and redis plugin source code; Setup mysql instances and zone records
	12:00	13:00	1		(Continued)
	14:30	15:00	0.5		(Continued) and end-to-end tests
2023-01-24	15:00	19:00	4		Implement stacktrace, local package overriding, deep logging; Debug and fix plugin fallback issues; Create custom CoreDNS build and local testing environments; Identify and remove problematic plugins ; Make end-to-end work with custom redis and mysql plugins, and custom zone records
	1:15	1:45	0.5		Research on issues on CNAME failed to be resolved without specifying exact query type
	14:15	15:00	0.75		Research and analysis on DNS headers, recursive mode, and A / CNAME record resolution rules
	18:30	19:30	1		Debugging and comparing multiple implementations of coreDNS redis plugin; Fix vendor setup, git issues, compile issues
2023-01-25	1:00	2:00	1		Fix go dependency and zone loading panic issues with latest community-forked coreDNS redis plugin
	10:00	11:00	1		Debug and fix SOA record panic issue and analyze the potential use of external lookup code in file plugin; Summarize obscure findings
	15:00	15:30	0.5		Sync with John on development status of blockchain CoreDNS plugin, bugs, and recent findings of obscure DNS rules
	17:15	18:45	1.5	20.0	Debugging mysterious DNS failures of _acme-challenge CNAME; Examining response differences between file-backed zone records and custom-redis-backed zone records, and those of Cloudflare; Review GCP documentations for possibilities of extracting more debugging info
2023-01-26	2:00	3:00	1		Debug "pending" state from GCP DNS Authorization; Evaluate NXDOMAIN response issue with CNAME records; Compare various letsencrypt client libraries
	11:15	12:15	1		Review John Daily Logs and videos, provide detailed feedback; Sync updates and repos
2023-01-26	13:00	14:30	1.5		Research on Google Support feedback, CAA record, SSL policies and versions, and trust authorities. Implement and setup CAA record; End-to-end tests
			Regular	57.5	
			Overtime	7.5	
			Total	65	