

Schemes for CT	Parameters	Proof of Presence of a Certificate (Type 1)	Proof of Absence of a Certificate (Type 2)	Proof of Absence of a Domain Owner (Type 3)	Proof of Extension (Type 4)	Proof of Currency (Type 5)
Google	Proof Size	$O(\log n)$	-	-	$O(\log n)$	-
	Cost of Proof Computation	$O(\log n)$	-	-	$O(\log n)$	-
	Cost of Proof Verification	$O(\log n)$	-	-	$O(\log n)$	-
Ryan	Proof Size	-	-	$O(\log t)$	$O(\log n)$	$O(\log t)$
	Cost of Proof Computation	-	-	$O(\log t)$	$O(\log n)$	$O(\log t)$
	Cost of Proof Verification	-	-	$O(\log t)$	$O(\log n)$	$O(\log t)$
Our Scheme	Proof Size	$O(\log t)^\dagger$	$O(1)$	$O(\log t)$	$O(\log n)$	$O(1)$
	Cost of Proof Computation	$O(\log t)^\dagger$	$O(m)$	$O(\log t)$	$O(\log n)$	$O(\log m)$
	Cost of Proof Verification	$O(\log t)^\dagger$	$O(1)$	$O(\log t)$	$O(\log n)$	$O(1)$