

Audit Report

CW20 Blocklist

v1.0

May 25, 2022

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This audit has been performed by

Oak Security

https://oaksecurity.io/ info@oaksecurity.io Introduction

Purpose of This Report

Oak Security has been engaged by Terraform Labs Limited to perform a security audit of the

CW20 Blocklist smart contract.

The objectives of the audit are as follows:

1. Determine the correct functioning of the protocol, in accordance with the project

specification.

2. Determine possible vulnerabilities, which could be exploited by an attacker.

3. Determine smart contract bugs, which might lead to unexpected behavior.

4. Analyze whether best practices have been applied during development.

5. Make recommendations to improve code safety and readability.

This report represents a summary of the findings.

As with any code audit, there is a limit to which vulnerabilities can be found, and unexpected execution paths may still be possible. The author of this report does not guarantee complete

coverage (see disclaimer).

Codebase Submitted for the Audit

The audit has been performed on the following GitHub repository:

https://github.com/octalmage/terra-blocklist

Commit hash: abddbe3389537156429b82f0953c32823f17a416

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Methodology

The audit has been performed in the following steps:

- 1. Gaining an understanding of the code base's intended purpose by reading the available documentation.
- 2. Automated source code and dependency analysis.
- 3. Manual line by line analysis of the source code for security vulnerabilities and use of best practice guidelines, including but not limited to:
 - a. Race condition analysis
 - b. Under-/overflow issues
 - c. Key management vulnerabilities
- 4. Report preparation

Functionality Overview

The submitted code implements a fungible token that modifies the CW20 functionality to allow the minter to add or remove addresses to or from a blocklist. Funds of an address on that blocklist cannot be transferred or withdrawn anymore. Additionally, the minter can burn the funds of any address on that blocklist.

How to Read This Report

This report classifies the issues found into the following severity categories:

Severity	Description
Critical	A serious and exploitable vulnerability that can lead to loss of funds, unrecoverable locked funds, or catastrophic denial of service.
Major	A vulnerability or bug that can affect the correct functioning of the system, lead to incorrect states or denial of service.
Minor	A violation of common best practices or incorrect usage of primitives, which may not currently have a major impact on security, but may do so in the future or introduce inefficiencies.
Informational	Comments and recommendations of design decisions or potential optimizations, that are not relevant to security. Their application may improve aspects, such as user experience or readability, but is not strictly necessary. This category may also include opinionated recommendations that the project team might not share.

The status of an issue can be one of the following: Pending, Acknowledged, or Resolved.

Note that audits are an important step to improving the security of smart contracts and can find many issues. However, auditing complex codebases has its limits and a remaining risk is present (see disclaimer).

Users of the system should exercise caution. In order to help with the evaluation of the remaining risk, we provide a measure of the following key indicators: **code complexity**, **code readability**, **level of documentation**, and **test coverage**. We include a table with these criteria below.

Note that high complexity or low test coverage does not necessarily equate to a higher risk, although certain bugs are more easily detected in unit testing than in a security audit and vice versa.

Summary of Findings

No	Description	Severity	Status
1	Overflow checks are not enabled for the release profile, which can lead to a loss of funds	Critical	Resolved
2	Users can evade having blocked funds destroyed by using uppercase addresses	Major	Resolved
3	Missing validations during contract instantiation	Minor	Resolved
4	One-step minter update increase risk of lost minter permissions	Minor	Acknowledged
5	Consider using time locks to automatically unblock addresses in the event of a lost/compromised minter private key	Minor	Acknowledged
6	Blocked addresses can receive tokens	Informational	Acknowledged
7	Removal of Burn and BurnFrom may impact contract composability	Informational	Acknowledged
8	Duplicate code impacts maintainability	Informational	Resolved
9	cw20-blocklist modifies cw20-base interface, which negatively impacts composability and is not documented correctly	Informational	Resolved
10	Testing wallet seed phrase and private keys are exposed	Informational	Resolved
11	Outdated dependencies	Informational	Acknowledged

Code Quality Criteria

Criteria	Status	Comment
Code complexity	Low-Medium	-
Code readability and clarity	Medium-High	-
Level of documentation	Medium	-
Test coverage	Medium-High	The test coverage reported by cargo tarpaulin is 77.88%.

Detailed Findings

1. Overflow checks are not enabled for the release profile, which can lead to a loss of funds

Severity: Critical

In contracts/cw20-blocklist/Cargo.toml, overflow-checks are not enabled for the release profile. Since there are arithmetic calculations that do not use checked calculations to prevent overflow issues in the cw20-base contract (e.g. <u>increasing an account's balance</u>), an overflow in production would be silently ignored.

Recommendation

We recommend enabling overflow checks in Cargo.toml.

Status: Resolved

2. Users can evade having blocked funds destroyed by using uppercase addresses

Severity: Major

The cw20-blocklist contract does maintain the blocklist with lowercase addresses, and it performs lowercasing of an address before checking whether it is on the blocklist. The underlying cw20-base contract, on the other hand, does not lowercase addresses.

This discrepancy allows users to evade having blocked funds destroyed, by having their balance sent to an uppercase address, rather than a lowercase one. If a user sends the Transfer message to a previously unused and not blocked uppercase address, the execute_transfer function of the cw20-base contract will update BALANCES with the uppercase address as the key. Blocklisting that address works as expected, since all blocklist checks are performed after transforming the address to lowercase, see contracts/cw20-blocklist/src/contract.rs:195, 211, and 254. If the minter now wants to burn the funds associated with that address using the DestroyBlockedFunds message, the destroy_blocked_funds function is trying to reduce BALANCES using the lowercased address as a key in lines 160-168. This will fail, since the balance was stored under an uppercase address as the key.

Recommendation

We recommend lowercasing addresses in contracts/cw20-blocklist/src/contract.rs:65,74,92,99,105,117 and 142.

Status: Resolved

3. Missing validations during contract instantiation

Severity: Minor

In contracts/cw20-blocklist/src/contract.rs:36-38, the passed arguments msg.name, msg.symbol, and msg.decimals are not validated.

Without validation of name and symbol, the minter is able to pass invalid or non-printable characters that could affect front-end rendering, allow script injection, or passing strings very long strings which may inhibit usability of the token.

Without validation of decimals, the minter is able to pass any supported u8 value (from 0 to 255). An uncommonly large decimal point might cause issues for protocols that build on top of this contract.

Recommendation

We recommend validating that these variables are within the expected range. For instance, the cw20-base contract provides validation functions that ensure that the instantiated parameter values are initialized correctly, which can be found here,

Status: Resolved

4. One-step minter update increase risk of lost minter permissions

Severity: Minor

The cw20-blocklist contract allows the current minter to update the minter address in one single step. While this is common practice, it presents a risk for the minting permission to become lost if the new address is incorrect. A two-step minter update will allow the current minter to propose a new minter address, and then the account that is proposed as the new minter may call a separate function that will allow them to claim the minting permission and actually execute the config update.

Recommendation

We recommend implementing a two-step minter update. The flow can be as follows:

- 1. The current minter proposes a new minter address that is validated and lowercased.
- 2. The new minter account claims ownership, which applies the configuration changes.

Status: Acknowledged

5. Consider using time locks to automatically unblock addresses in the event of a lost/compromised minter private key

Severity: Minor

Throughout the codebase, the minter can perform various privileged actions such as adding and removing addresses to/from the blocklist. A blocked address will remain blacklisted until the minter decides to unblock them. In the event that the private key is lost or compromised and the minter updated, the blacklisted address may never be unblocked.

Recommendation

We recommend using time locks that specify an expiration block or time instead of a boolean blocked state. In the case of a lost/compromised minter private key, this would allow addresses to become automatically unblocked after a certain timespan (e.g. 6 months).

Status: Acknowledged

6. Blocked addresses can receive tokens

Severity: Informational

In the codebase, there are no restrictions that prevent blocked addresses from receiving tokens. Since the minter can destroy funds held by a blocked address using the <code>DestroyBlockedFunds</code> message, we recommend disallowing funds to be sent to a blocked address.

Recommendation

We recommend checking whether the recipient address is blocked in <code>execute_mint</code>, <code>execute_transfer</code>, <code>execute_send</code>, <code>execute_transfer_from</code>, <code>and</code> <code>execute_send</code> from.

Status: Acknowledged

7. Removal of Burn and BurnFrom may impact contract composability

Severity: Informational

The cw20-blocklist contract does not include the Burn and BurnFrom messages that the cw20-base contract provides. This may impact composability of the cw20-blocklist contract with other smart contracts, that may rely on burning of funds. In the current implementation, a Redeem message exists, that only allows the minter to burn tokens.

Recommendation

We recommend adding Burn and BurnFrom messages and their corresponding handlers.

Status: Acknowledged

8. Duplicate code impacts maintainability

Severity: Informational

Throughout the codebase, privileged execution messages such as AddToBlockedList, RemoveFromBlockedList, UpdateMinter, Redeem, and DestroyBlockedFunds messages are all restricted to minter access. The logic that verifies whether info.sender is the minter is duplicated across the handlers for these functions, which negatively impacts the code's maintainability and readability and may lead to future errors.

Recommendation

We recommend refactoring the authentication functionality to an internal function and using it across the codebase, or performing the authentication check in the execute message entry point when a privileged execution message is called.

Status: Resolved

9. cw20-blocklist modifies cw20-base interface, which negatively impacts composability and is not documented correctly

Severity: Informational

Compared with the cw20-base contract, the cw20-blocklist contract exhibits the following modifications:

- 1. Minter is always set to the instantiator
- 2. Minting cap cannot be set
- 3. Initial balances cannot be provided during instantiation
- 4. Marketing info cannot be set or queried
- 5. Burn and BurnFrom messages have been removed
- 6. Minter, AllAllowances, AllAccounts, MarketingInfo, and DownloadLogo queries have been removed

This reduces the composability of the cw20-blocklist contract, since it may not be possible for some projects to swap a cw20-base contract with a cw20-blocklist implementation without further modification of their code. It also affects frontends and aggregation layers that may rely on some of the removed queries. Lastly, the documentation in contracts/cw20-blocklist/README.md:3 describes that the cw20-blocklist

contract extends the cw20-base to add blocklist functionality, which is misleading.

Recommendation

We recommend adding removed functionality to comply as much as possible with the cw20-base interface. We also recommend updating the project description to accurately describe any differences between the contracts.

Status: Resolved

10. Testing wallet seed phrase and private keys are exposed

Severity: Informational

In keys.terrain.js, the testing wallet's mnemonic and private keys are hardcoded and visible to the public. Although these secrets are intended to be used purely for testing purposes, it is a violation of best practice to commit wallet seed phrases or private keys into a repository. These accounts may accidentally be used by developers on mainnet, in which case funds may be lost or permissions be exploited.

Recommendation

We recommend storing the wallet's secrets locally in a local .env file that is included in .gitignore to prevent secrets from being committed.

Status: Resolved

11. Outdated dependencies

Severity: Informational

The cw20-blocklist contract contains outdated dependencies, see Appendix 1.

Recommendation

We recommend running cargo outdated on the codebase and updating dependencies.

Status: Acknowledged

Appendix 1

cargo outdated					
Name	Project	Compat	Latest	Kind	Platform
block-buffer->generic-array	0.14.5		Removed	Normal	
cosmwasm-crypto->digest	0.9.0		Removed	Normal	
cosmwasm-crypto->ed25519-zebra	2.2.0		3.0.0	Normal	
cosmwasm-crypto->ed25519-zebra	2.2.0		Removed	Normal	
cosmwasm-crypto->k256 cosmwasm-crypto->k256	0.9.6		0.10.4 Removed	Normal Normal	
cosmwasm-crypto->k256 cosmwasm-crypto->rand core	0.5.1		0.6.3	Normal	
cosmwasm-crypto->rand core	0.5.1		Removed	Normal	
cosmwasm-crypto->thiserror	1.0.30	1.0.31	1.0.31	Normal	
cosmwasm-crypto->thiserror	1.0.30	1.0.31	Removed	Normal	
cosmwasm-derive->syn	1.0.86	1.0.94	1.0.94	Normal	
cosmwasm-derive->syn cosmwasm-schema	1.0.86 0.16.3	1.0.94	Removed 1.0.0	Normal Development	
cosmwasm-schema->serde json	1.0.79	1.0.81	1.0.81	Normal	
cosmwasm-std	0.16.3	0.16.6	1.0.0	Normal	
cosmwasm-std->base64	0.13.0		Removed	Normal	
cosmwasm-std->cosmwasm-crypto	0.16.3	0.16.7	1.0.0	Normal	
cfg(not(target_arch =					
cosmwasm-std->cosmwasm-crypto	0.16.3	0.16.7	Removed	Normal	"wasm32"))
cfg(not(target arch =	0.10.3	0.20.7	10.110 / 0.4	110211102	
34 4 3=-					"wasm32"))
cosmwasm-std->cosmwasm-derive	0.16.3	0.16.7	1.0.0	Normal	
cosmwasm-std->cosmwasm-derive	0.16.3	0.16.7	Removed	Normal	
cosmwasm-std->schemars cosmwasm-std->serde	0.8.8	1.0.137	Removed 1.0.137	Normal Normal	
cosmwasm-std->serde	1.0.136		Removed	Normal	
cosmwasm-std->serde-json-wasm	0.3.2		0.4.1	Normal	
cosmwasm-std->serde-json-wasm	0.3.2		Removed	Normal	
cosmwasm-std->thiserror	1.0.30	1.0.31	1.0.31	Normal	
cosmwasm-std->thiserror	1.0.30	1.0.31	Removed	Normal	
cosmwasm-std->uint	0.9.1		0.9.3	Normal	
cosmwasm-std->uint cpufeatures->libc	0.9.1 0.2.118		Removed 0.2.125	Normal Normal	
aarch64-apple-darwin	0.2.110	0.2.123	0.2.120	NOTHEL	
cpufeatures->libc	0.2.118	0.2.125	Removed	Normal	
aarch64-apple-darwin					
crypto-bigint->generic-array	0.14.5		Removed	Normal	
crypto-bigint->rand_core	0.6.3		Removed	Normal	
crypto-bigint->subtle	2.4.1 1.4.3		Removed 1.5.5	Normal Normal	
crypto-bigint->zeroize crypto-bigint->zeroize	1.4.3		1.5.5 Removed	Normal	
crypto-mac->generic-array	0.14.5		Removed	Normal	
crypto-mac->subtle	2.4.1		Removed	Normal	
curve25519-dalek->byteorder	1.4.3		Removed	Normal	
curve25519-dalek->digest	0.9.0		Removed	Normal	
curve25519-dalek->rand_core	0.5.1		Removed Removed	Normal Normal	
curve25519-dalek->subtle curve25519-dalek->zeroize	2.4.1 1.4.3		Removed 1.5.5	Normal	
curve25519-dalek->zeroize	1.4.3		Removed	Normal	
cw-controllers	0.9.1		0.13.2	Normal	
cw-controllers->cosmwasm-std	0.16.3	0.16.6	1.0.0	Normal	
cw-controllers->cw-storage-plus	0.9.1		0.13.2	Normal	
cw-controllers->cw0 cw-controllers->serde	0.9.1	1 0 127	Removed 1.0.137	Normal Normal	
cw-controllers->serge cw-controllers->thiserror	1.0.30	1.0.137	1.0.137	Normal	
cw-storage-plus	0.9.1		0.13.2	Normal	
cw-storage-plus->cosmwasm-std	0.16.3	0.16.6	1.0.0	Normal	
cw-storage-plus->serde	1.0.136		1.0.137	Normal	
cw0	0.9.1		0.10.3	Normal	
cw0->cosmwasm-std	0.16.3 0.16.3	0.16.6	1.0.0 Removed	Normal Normal	
cw0->schemars	0.8.8		Removed	Normal	
cw0->serde	1.0.136	1.0.137	1.0.137	Normal	
cw0->serde	1.0.136	1.0.137	Removed	Normal	
cw0->thiserror	1.0.30	1.0.31		Normal	
cw0->thiserror	1.0.30		Removed	Normal	
cw2 cw2->cosmwasm-std	0.9.1 0.16.3	0.16.6	0.13.2	Normal Normal	
cw2->cw-storage-plus	0.9.1		0.13.2	Normal	
cw2->serde	1.0.136	1.0.137	1.0.137	Normal	
cw20	0.9.1		0.13.2	Normal	
cw20->cosmwasm-std	0.16.3	0.16.6		Normal	
cw20->cw0	0.9.1			Normal Normal	
cw20->serde cw20-base	1.0.136	1.0.13/	1.0.137 0.13.2	Normal	
cw20-base->cosmwasm-std	0.16.3	0.16.6		Normal	
cw20-base->cw-storage-plus	0.9.1		0.13.2	Normal	
cw20-base->cw0	0.9.1		Removed	Normal	
cw20-base->cw2	0.9.1		0.13.2	Normal	
cw20-base->cw20	0.9.1		0.13.2	Normal	
cw20-base->serde cw20-base->thiserror	1.0.136	1.0.137	1.0.137	Normal Normal	
cwzu-pase->tniserror der->const-oid	0.6.2	1.0.31	0.7.1	Normal	
der->const-oid	0.6.2		Removed	Normal	
digest->generic-array	0.14.5		Removed	Normal	
ecdsa->der	0.4.5		0.5.1	Normal	
ecdsa->der	0.4.5		Removed	Normal	
ecdsa->elliptic-curve ecdsa->elliptic-curve	0.10.6 0.10.6		0.11.12 Removed	Normal Normal	
ecdsa->elliptic-curve ecdsa->hmac	0.10.6		Removed	Normal	
ecdsa->signature	1.3.2		1.4.0	Normal	

ecdsa->signature	1.3.2		Removed	Normal	
ed25519-zebra->curve25519-dalek	3.2.0		Removed	Normal	
ed25519-zebra->hex	0.4.3		Removed	Normal	
ed25519-zebra->rand_core	0.5.1		0.6.3	Normal	
ed25519-zebra->rand_core	0.5.1		Removed	Normal	
ed25519-zebra->serde	1.0.136	1.0.137	1.0.137	Normal	
ed25519-zebra->serde ed25519-zebra->sha2	1.0.136	1.0.137	Removed Removed	Normal Normal	
ed25519-zebra->snaz ed25519-zebra->thiserror	1.0.30	1.0.31	1.0.31	Normal	
ed25519-zebra->thiserror	1.0.30	1.0.31	Removed	Normal	
elliptic-curve->crypto-bigint	0.2.11		0.3.2	Normal	
elliptic-curve->crypto-bigint	0.2.11		Removed	Normal	
elliptic-curve->ff	0.10.1		0.11.1	Normal	
elliptic-curve->ff	0.10.1		Removed	Normal	
elliptic-curve->generic-array	0.14.5		Removed	Normal	
elliptic-curve->group	0.10.0		0.11.0	Normal	
elliptic-curve->group	0.10.0		Removed	Normal	
elliptic-curve->pkcs8	0.7.6		Removed	Normal	
elliptic-curve->rand_core	0.6.3		Removed	Normal	
elliptic-curve->subtle	2.4.1		Removed	Normal Normal	
elliptic-curve->zeroize elliptic-curve->zeroize	1.4.3		Removed	Normal	
ff->rand core	0.6.3		Removed	Normal	
ff->subtle	2.4.1		Removed	Normal	
generic-array->typenum	1.15.0		Removed	Normal	
generic-array->version check	0.9.4		Removed	Build	
getrandom->cfg-if	1.0.0		Removed	Normal	
getrandom->libc	0.2.118	0.2.125	0.2.125	Normal	cfg(unix)
getrandom->libc	0.2.118	0.2.125	Removed	Normal	cfg(unix)
getrandom->wasi	0.10.2+wasi-snapshot-preview1		Removed	Normal	cfg(target_os =
"wasi")					
getrandom->wasi	0.9.0+wasi-snapshot-preview1		0.10.2+wasi-snapshot-preview1	Normal	cfg(target_os =
"wasi")					5 41
getrandom->wasi "wasi")	0.9.0+wasi-snapshot-preview1		Removed	Normal	cfg(target_os =
"wası") group->ff	0.10.1		0.11.1	Normal	
group->ff	0.10.1		Removed	Normal	
group->rand core	0.6.3		Removed	Normal	
group->rand_core group->subtle	2.4.1		Removed	Normal	
hmac->crypto-mac	0.11.1		Removed	Normal	
hmac->digest	0.9.0		Removed	Normal	
k256->cfg-if	1.0.0		Removed	Normal	
k256->ecdsa	0.12.4		0.13.4	Normal	
k256->ecdsa	0.12.4		Removed	Normal	
k256->elliptic-curve	0.10.6		0.11.12	Normal	
k256->elliptic-curve	0.10.6		Removed	Normal	
k256->sha2	0.9.9		Removed	Normal	
pkcs8->der	0.4.5		Removed	Normal	
pkcs8->spki	0.4.1		Removed	Normal	
proc-macro2->unicode-xid proc-macro2->unicode-xid	0.2.2	0.2.3	0.2.3 Removed	Normal Normal	
quote->proc-macro2	1.0.36	1.0.38	1.0.38	Normal	
quote->proc-macro2	1.0.36	1.0.38	Removed	Normal	
rand core->getrandom	0.1.16		0.2.6	Normal	
rand core->getrandom	0.1.16		Removed	Normal	
rand core->getrandom	0.2.4	0.2.6	0.2.6	Normal	
rand core->getrandom	0.2.4	0.2.6	Removed	Normal	
schemars->dyn-clone	1.0.4	1.0.5	1.0.5	Normal	
schemars->dyn-clone	1.0.4	1.0.5	Removed	Normal	
schemars->schemars_derive	0.8.8		Removed	Normal	
schemars->serde	1.0.136		1.0.137	Normal	
schemars->serde	1.0.136		Removed	Normal	
schemars->serde_json	1.0.79	1.0.81	1.0.81	Normal	
schemars->serde_json	1.0.79	1.0.81	Removed	Normal	
schemars_derive->proc-macro2 schemars derive->proc-macro2	1.0.30		1 0 20		
	1 0 36	1 0 38	1.0.38	Normal	
	1.0.36	1.0.38	Removed		
schemars_derive->quote schemars derive->quote	1.0.36 1.0.15 1.0.15	1.0.38 1.0.18 1.0.18		Normal Normal	
schemars_derive->quote schemars_derive->quote	1.0.15 1.0.15	1.0.18	Removed 1.0.18	Normal Normal	
schemars_derive->quote	1.0.15 1.0.15	1.0.18	Removed 1.0.18 Removed	Normal Normal Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals	1.0.15 1.0.15 0.25.0 1.0.86	1.0.18 1.0.18 1.0.94 1.0.94	Removed 1.0.18 Removed Removed 1.0.94 Removed	Normal Normal Normal Normal Normal Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde	1.0.15 1.0.15 0.25.0 1.0.86 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137	Normal Normal Normal Normal Normal Normal Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive	1.0.15 1.0.15 0.25.0 1.0.86 1.0.86 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137	Normal Normal Normal Normal Normal Normal Normal Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive	1.0.15 1.0.15 0.25.0 1.0.86 1.0.86 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed	Normal Normal Normal Normal Normal Normal Normal Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde	1.0.15 1.0.15 0.25.0 1.0.86 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->sunce schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde	1.0.15 1.0.15 0.25.0 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_derive->proc-macro2	1.0.15 1.0.15 0.25.0 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.33	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2	1.0.15 1.0.15 0.25.0 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_derive->proc-macro2	1.0.15 1.0.15 1.0.25.0 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.37 1.0.38 1.0.38	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed 1.0.38 Removed 1.0.18	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->yote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->puote	1.0.15 1.0.15 1.0.15 0.25.0 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.38 1.0.38 1.0.38 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed 1.0.38 Removed 1.0.18	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->quote serde_derive->serde_derive->syn serde_derive->syn serde_derive->syn serde_derive->syn	1.0.15 1.0.15 1.0.15 0.25.0 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.86 1.0.15 1.0.15 1.0.15	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.138 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed Removed Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->quote schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->proderive->serde_derive->quote serde_derive->quote serde_derive->syn serde_derive->syn serde_derive-internals->proc-macro2	1.0.15 1.0.15 1.0.25.0 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36	1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.138 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.138 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.38 Removed 1.0.94 Removed 1.0.94 Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->perive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->quote serde_derive->syn serde_derive->syn serde_derive_internals->proc-macro2 serde_derive->syn serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2	1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.36	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.138 1.0.38 1.0.38 1.0.18 1.0.18 1.0.94 1.0.94	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.138 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.38 Removed 1.0.38 Removed 1.0.38 Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_gison-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->youte serde_derive->syn serde_derive->syn serde_derive->syn serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->puote	1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.36	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.194 1.0.94 1.0.38 1.0.38	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.138 Removed 1.0.18	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_gerive->proc-macro2 serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->yuote serde_derive->yuote serde_derive->syn serde_derive->syn serde_derive-internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->quote serde_derive_internals->quote	1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.86 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.15	1.0.18 1.0.18 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.38 1.0.18 1.0.18 1.0.194 1.0.94 1.0.94 1.0.98 1.0.38 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.138 Removed 1.0.18 Removed	Normal	
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schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->youte serde_derive->syn serde_derive->syn serde_derive-internals->proc-macro2 serde_derive internals->proc-macro2 serde_derive internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->quote serde_derive_internals->quote serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn	1.0.15 1.0.15 1.0.15 1.0.186 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.36 1.0.36 1.0.36 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.86 1.0.36 1.0.36 1.0.86 1.0.36 1.0.86 1.0.886 1.0.886 1.0.886	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.94 1.0.94 1.0.38 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.38 Removed 1.0.18 Removed 1.0.38 Removed 1.0.18 Removed 1.0.38 Removed 1.0.38 Removed 1.0.38 Removed 1.0.94 Removed 1.0.94 Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->syn serde_derive->syn serde_derive-internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->quote serde_derive_internals->quote serde_derive_internals->quote serde_derive_internals->ysyn	1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.18 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.138 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.19 Removed 1.0.19 Removed 1.0.19 Removed 1.0.94 Removed	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_gerive->proc-macro2 serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->yquote serde_derive->syn serde_derive->syn serde_derive->syn serde_derive-internals->proc-macro2 serde_derive-internals->quote serde_derive_internals->quote serde_derive_internals->yquote serde_derive_internals->yquote serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_den->troa	1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.36 1.0.36 1.0.36 1.0.36 1.0.15 1.0.86 1.0.86 1.0.86 1.0.36 1.0.36 1.0.36 1.0.36 1.0.36 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.886 1.0.886 1.0.886 1.0.886 1.0.886	1.0.18 1.0.18 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.38 1.0.18 1.0.18 1.0.94 1.0.94 1.0.38 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.19 Removed 1.0.94 Removed 1.0.94 Removed 1.0.18 Removed 1.0.18 Removed 1.0.94 Removed 1.0.18	Normal	
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde-json-wasm->serde serde-json-wasm->serde serde_json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->syn serde_derive->syn serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_json->itoa serde_json->itoa	1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.36 1.0.15 1.0.86 1.0.86 1.0.86 1.0.86 1.0.86 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.94 1.0.94 1.0.93 1.0.18 1.0.19 1.0.94 1.0.94 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.19 Removed 1.0.94 Removed 1.0.94 Removed 1.0.18 Removed 1.0.18 Removed 1.0.94 Removed 1.0.18	Normal	
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schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->syn serde_derive->syn serde_derive_internals->proc-macro2	1.0.15 1.0.15 1.0.15 1.0.186 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.36 1.0.15 1.0.16 1.0.16 1.0.16 1.0.99 1.0.99 1.0.90 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.94 1.0.94 1.0.93 1.0.18 1.0.18 1.0.18 1.0.19 1.0.94 1.0.94 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.19 Removed 1.0.19 Removed 1.0.38 Removed 1.0.17 Removed 1.0.18 Removed 1.0.19 Removed 1.0.10 Removed 1.0.10 Removed 1.0.10 Removed Removed Removed Removed Removed Removed Removed Removed	Normal	
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schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde->serde_derive serde-json-wasm->serde serde_fson-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->syn serde_derive->syn serde_derive->syn serde_derive-internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->yquote serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->yquote serde_derive_internals->syn serde_json->itoa serde_json->ryu serde_json->ryu serde_json->serde serde_json->serde sha2->block-buffer sha2->cgf-if sha2->cpufeatures	1.0.15 1.0.15 1.0.15 1.0.186 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.36 1.0.15 1.0.16 1.0.16 1.0.16 1.0.99 1.0.99 1.0.90 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.94 1.0.94 1.0.93 1.0.18 1.0.18 1.0.18 1.0.19 1.0.94 1.0.94 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.19 Removed 1.0.19 Removed 1.0.38 Removed 1.0.17 Removed 1.0.18 Removed 1.0.19 Removed 1.0.10 Removed 1.0.10 Removed 1.0.10 Removed Removed Removed Removed Removed Removed Removed Removed	Normal	"aarch64",
schemars_derive->quote schemars_derive->quote schemars_derive->serde_derive_internals schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn schemars_derive->syn serde serde->serde_derive serde-json-wasm->serde serde_json-wasm->serde serde_derive->proc-macro2 serde_derive->proc-macro2 serde_derive->quote serde_derive->syn serde_derive->syn serde_derive->syn serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->proc-macro2 serde_derive_internals->yan serde_derive_internals->yan serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->syn serde_derive_internals->yan serde_gon->itoa serde_json->ryu serde_json->ryu serde_json->serde serde_json->serde serde_json->serde serde_serde_serde serde_serde_serde serde_serde_serde serde_serde serd	1.0.15 1.0.15 1.0.15 1.0.186 1.0.86 1.0.136 1.0.136 1.0.136 1.0.136 1.0.136 1.0.15 1.0.15 1.0.15 1.0.15 1.0.15 1.0.86 1.0.86 1.0.36 1.0.15 1.0.16 1.0.16 1.0.16 1.0.99 1.0.99 1.0.90 1.0.136 1.0.136 1.0.136 1.0.136	1.0.18 1.0.18 1.0.94 1.0.94 1.0.137 1.0.137 1.0.137 1.0.137 1.0.138 1.0.18 1.0.18 1.0.18 1.0.94 1.0.94 1.0.93 1.0.18 1.0.18 1.0.18 1.0.19 1.0.94 1.0.94 1.0.18 1.0.18	Removed 1.0.18 Removed Removed 1.0.94 Removed 1.0.137 1.0.137 Removed 1.0.137 Removed 1.0.38 Removed 1.0.18 Removed 1.0.18 Removed 1.0.18 Removed 1.0.19 Removed 1.0.19 Removed 1.0.38 Removed 1.0.17 Removed 1.0.18 Removed 1.0.19 Removed 1.0.10 Removed 1.0.10 Removed 1.0.10 Removed Removed Removed Removed Removed Removed Removed Removed	Normal	
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sha2->cpufeatures	0.2.1	0.2.2	Removed	Normal	
cfg(any(target_arch =					
					"aarch64",
target_arch =					
					"x86_64",
target_arch =					
1.0.11	0.9.0				"x86"))
sha2->digest			Removed	Normal	
sha2->opaque-debug	0.3.0		Removed	Normal	
signature->digest	0.9.0		Removed	Normal	
signature->rand_core	0.6.3		Removed	Normal	
spki->der	0.4.5		Removed	Normal	
syn->proc-macro2	1.0.36	1.0.38	1.0.38	Normal	
syn->proc-macro2	1.0.36	1.0.38	Removed	Normal	
syn->quote	1.0.15	1.0.18	1.0.18	Normal	
syn->quote	1.0.15	1.0.18	Removed	Normal	
syn->unicode-xid	0.2.2	0.2.3	0.2.3	Normal	
syn->unicode-xid	0.2.2	0.2.3	Removed	Normal	
thiserror	1.0.30	1.0.31	1.0.31	Normal	
thiserror->thiserror-impl	1.0.30	1.0.31	1.0.31	Normal	
thiserror->thiserror-impl	1.0.30	1.0.31	Removed	Normal	
thiserror-impl->proc-macro2	1.0.36	1.0.38	1.0.38	Normal	
thiserror-impl->proc-macro2	1.0.36	1.0.38	Removed	Normal	
thiserror-impl->quote	1.0.15	1.0.18	1.0.18	Normal	
thiserror-impl->quote	1.0.15	1.0.18	Removed	Normal	
thiserror-impl->syn	1.0.86	1.0.94	1.0.94	Normal	
thiserror-impl->syn	1.0.86	1.0.94	Removed	Normal	
uint	0.9.1		0.9.3	Normal	
uint->byteorder	1.4.3		Removed	Normal	
uint->crunchy	0.2.2		Removed	Normal	
uint->hex	0.4.3		Removed	Normal	
uint->static assertions	1.1.0		Removed	Normal	
41 , 5.44.10_45561.615113			**************************************		