Emergency Brakes

1.1 GateSeal Committee

Address: 0x8772E3a2D86B9347A2688f9bc1808A6d8917760C

Purpose of the multisig: The GateSeal Committee can trigger GateSeal to pause WithdrawalQueueERC721 (pausing users' withdrawal requests), ValidatorExitBusOracle (pausing NOs withdrawal requests) or both smart contracts for 6 days. The right to pause is one-use only and automatically expires on 1 May 2024.

Quorum: 3/6

Forum topic: Lido V2 GateSeal Committee

Snapshot: Voting for approval of new withdrawals mechanism and new modular architecture for Node Operators set

Aragon: Vote #156
Contracts and Roles:

GateSeal0x1ad5cb2955940f998081c1ef5f5f00875431aa90

· Sealing Committee

List of signers:

Name Address Verification Public verification ajbeal 0x5a409567bCa7459b3aC7e6E5a3F1a3C278071b71 Sig Hash:
0x848f5174e88b653e9353f5a46c8dec871b2395a06be8b0b29c221c1ab4f43a8b5fc913c091d0389382879c49ff96750a86efd5806f7223797c31ca01868ec23c01
https://twitter.com/ajbeal/status/1655876306771365888?s=20 eboadom 0xA39a62304d8d43B35114ad7bd1258B0E50e139b3
https://etherscan.io/verifySig/17877 https://twitter.com/eboadom/status/1656002911854292993 michwill 0xFe45baf0F18c207152A807c1b05926583CFE2e4b
Sig Hash:

0x44fc2bce69486ea826e1aaeb40878f9a8b038d5f0c8bd0ea9038fee7fca553005adfcd9d64172cacd2e7f1c11dc7e9b36c0f18916ed731e56ffa89feb95c8ae500 https://twitter.com/newmichwill/status/1656597340780625920?s=20 skozin 0x2CAE3a4D4c513026Ecc6af94A4BA89Df31c8cEA3 https://etherscan.io/verifySig/17853 https://twitter.com/_skozin/status/1655873413833998336 George 0x912e21CdA3D7012146da4Df33309d860a9eb0bEb https://etherscan.io/verifySig/17866 https://twitter.com/_skozin/status/1655873413833998336 kadmil 0x9A3f38AF97b791C85c043D46a64f56f87E0283D4 https://etherscan.io/verifySig/17851 https://twitter.com/kadmil_eth/status/1655865828544266242

1.2 Emergency Brakes: Ethereum

Address: 0x73b047fe6337183A454c5217241D780a932777bD

Purpose of the multisig: The multisig is used to disable deposits & withdrawals for wstETH bridging to Optimism and Arbitrum in case of an emergency on Ethereum mainnet or L2, and can pause Easy Track pipeline.

Quorum: 3/5

Forum topics: Emergency Brakes MS for Easy Tracks , Emergency Brakes MS for L2 (Upgrade)

Snapshots: Release Easy Track , Emergency Brakes multisig upgrade

Contracts and Roles:

Easy Track0xF0211b7660680B49De1A7E9f25C65660F0a13Fea

• PAUSE_ROLE

Arbitrum L1 ERC20 Token Gateway0x0F25c1DC2a9922304f2eac71DCa9B07E310e8E5a

- · WITHDRAWALS_DISABLER_ROLE,
- DEPOSITS_DISABLER_ROLE.

Optimism L1 ERC20 Token Bridge0x76943C0D61395d8F2edF9060e1533529cAe05dE6

- WITHDRAWALS_DISABLER_ROLE,
- DEPOSITS_DISABLER_ROLE

List of signers:

Name Address Verification Public verification psirex 0x2a61d3ba5030Ef471C74f612962c7367ECa3a62d - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 TheDZon 0x59f8d74fe49d5ebeac069e3baf07eb4b614bd5a7 https://etherscan.io/verifySig/23795 https://research.lido.fi/t/emergency-brakes-signer-rotation/5286/2 kadmil 0x6f5c9B92DC47C89155930E708fBc305b55A5519A - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 ujenjt 0xdd19274b614b5ecAcf493Bc43C380ef6B8dfB56c - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina 0xCFfE0F3B089e46D8212408Ba061c425776E64322 - https://twitter.com/folkyatina/status/1550112058003169284?s=20&t=9RHqr47D6r_5Vin6SrU5Qw

1.3 Emergency Brakes: Optimism

Address: oeth:0x4Cf8fE0A4c2539F7EFDD2047d8A5D46F14613088

Purpose of the multisig: The multisig is used to disable deposits or withdrawals or both deposits and withdrawals for wstETH token bridge on Optimism side in case of emergency.

Quorum: 3/5

Forum topics: Emergency Brakes MS for L2 (Upgrade), First launches of Lido on L2

Snapshot: Emergency Brakes multi-sig upgrade

Contracts and Roles:

L2 ERC20 Token Bridge oeth:0x8E01013243a96601a86eb3153F0d9Fa4fbFb6957

- WITHDRAWALS DISABLE ROLE
- DEPOSITS_DISABLER_ROLE

List of signers:

Name Address Verification Public verification psirex 0x2a61d3ba5030Ef471C74f612962c7367ECa3a62d - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 TheDZon 0x59f8d74fe49d5ebeac069e3baf07eb4b614bd5a7 https://etherscan.io/verifySig/23795 https://research.lido.fi/t/emergency-brakes-signer-rotation/5286/2 kadmil 0x6f5c9B92DC47C89155930E708fBc305b55A5519A - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 ujenjt 0xdd19274b614b5ecAcf493Bc43C380ef6B8dfB56c - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina 0xCFfE0F3B089e46D8212408Ba061c425776E64322 - https://twitter.com/folkyatina/status/1550112058003169284?s=20&t=9RHqr47D6r_5Vin6SrU5Qw

1.4 Emergency Brakes: Arbitrum

Address: arb1:0xfDCf209A213a0b3C403d543F87E74FCbcA11de34

Purpose of the multisig: The multisig is used to disable deposits or withdrawals or both deposits and withdrawals for wstETH token bridge on Arbitrum side in case of an emergency.

Quorum: 3/5

Forum topic: First launches of Lido on L2

Snapshot: Emergency Brakes multisig upgrade

Contracts and Roles:

L2 ERC20 Token Gateway arb1.0x07D4692291B9E30E326fd31706f686f83f331B82

- WITHDRAWALS_DISABLE_ROLE
- DEPOSITS_DISABLER_ROLE

List of signers:

Name Address Verification Public verification <u>psirex</u> 0x2a61d3ba5030Ef471C74f612962c7367ECa3a62d - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 TheDZon 0x59f8d74fe49d5ebeac069e3baf07eb4b614bd5a7 https://etherscan.io/verifySig/23795 https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://exearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://exearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://exearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://exearch.lido.fi/t/emergency-brakes-mul

1.5 Emergency Brakes: Base

Address: base:0x0F9A0e7071B7B21bc7a8514DA2cd251bc1FF0725

Purpose of the multisig: The multisig is used to disable deposits or withdrawals or both deposits and withdrawals for wstETH token bridge on Base side in case of emergency.

Quorum: 3/5

Forum topics: wstETH Deployment to Base and Ownership Acceptance by Lido DAO

Snapshot: wstETH Deployment to Base and Ownership Acceptance by Lido DAO

Contracts and Roles:

L2ERC20TokenBridge: base:0xac9D11cD4D7eF6e54F14643a393F68Ca014287AB

- WITHDRAWALS_DISABLE_ROLE
- DEPOSITS_DISABLER_ROLE

List of signers

Name Address Verification Public verification psirex 0x2a61d3ba5030Ef471C74f612962c7367ECa3a62d - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 TheDZon 0x59f8d74fe49d5ebeac069e3baf07eb4b614bd5a7 https://etherscan.io/verifySig/23795 https://research.lido.fi/t/emergency-brakes-signer-rotation/5286/2 kadmil 0x6f5c9B92DC47C89155930E708fBc305b55A5519A - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 ujenjt 0xdd19274b614b5ecAcf493Bc43C380ef6B8dfB56c - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina 0xCFfE0F3B089e46D8212408Ba061c425776E64322 - https://twitter.com/folkyatina/status/1550112058003169284?s=20&t=9RHqr47D6r 5Vin6SrU5Qw

1.6 Emergency Brakes: Mantle

Address: mantle:0xa8579D42E34398267dE16e6eeeCdb7ED0EFF953C

Purpose of the multisig: The multisig is used to disable deposits or withdrawals or both deposits and withdrawals for wstETH token bridge on Mantle side in case of emergency.

Quorum: 3/5

Forum topics: wstETH Deployment on Mantle
Snapshot: wstETH Deployment on Mntle

Contracts and Roles:

L2ERC20TokenBridge: mantle:0x9c46560D6209743968cC24150893631A39AfDe4d

- WITHDRAWALS_DISABLER_ROLE
- DEPOSITS_DISABLER_ROLE

List of signers:

Name Address Verification Public verification <u>psirex</u> 0x2a61d3ba5030Ef471C74f612962c7367ECa3a62d - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 TheDZon 0x59f8d74fe49d5ebeac069e3baf07eb4b614bd5a7 https://etherscan.io/verifySig/23795 https://esearch.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina https://research.lido.fi/t/

1.7 Emergency Brakes: zkSync

Address: zksync:0x0D7F0A811978B3B62CbfF4EF6149B5909EAcfE94

Purpose of the multisig: The multisig is used to disable deposits or withdrawals or both deposits and withdrawals for wstETH token bridge on zkSync side in case of emergency.

Quorum: 3/5

Forum topics: <u>wstETH Deployment on zkSync</u> Snapshot: <u>wstETH Deployment on zkSync</u>

Contracts and Roles:

 $L2ERC20 Token Bridge: zksync: \underline{0xE1D6A50E7101c8f8db77352897Ee3f1AC53f782B} \\$

WITHDRAWALS_DISABLER_ROLEDEPOSITS_DISABLER_ROLE

List of signers:

Name Address Verification Public verification psirex 0x2a61d3ba5030Ef471C74f612962c7367ECa3a62d - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 TheDZon 0x59f8d74fe49d5ebeac069e3baf07eb4b614bd5a7 https://etherscan.io/verifySig/23795 https://research.lido.fi/t/emergency-brakes-signer-rotation/5286/2 kadmil 0x6f5c9B92DC47C89155930E708fBc305b55A5519A - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 ujenjt 0xdd19274b614b5ecAcf493Bc43C380ef6B8dfB56c - https://research.lido.fi/t/emergency-brakes-multi-sig-upgrade/2608 folkyatina 0xCFfE0F3B089e46D8212408Ba061c425776E64322 - https://twitter.com/folkyatina/status/1550112058003169284?s=20&t=9RHqr47D6r_5Vin6SrU5Qw_Edit this page Previous Sepolia Next Committees