Bridges como infraestrutura DeFi

Dr Alexander Ressos, TEP
Attorney-at-Law (Switzerland and Germany),
Solicitor (England & Wales and Hong Kong)
Of Counsel, KGP Legal LLC
alexander.ressos@kgplegal.com.sg
www.ressos.com.sg

O Capítulo I descreveu as bridges do ponto de vista técnico. No contexto DeFi, elas são o ponto de maior perda. O exploit da bridge Ronin, de março de 2022 (US$ 625 milhões), o exploit da Wormhole, de fevereiro de 2022 (US$ 325 milhões), e o exploit da Nomad, de agosto de 2022 (US$ 190 milhões), estão entre os maiores furtos da história dos ativos digitais. Em todos eles, a segurança da bridge dependia de um pequeno conjunto de chaves ou de um contrato defeituoso.[1] A questão jurídica após o exploit de uma bridge é quem, se alguém, tinha um dever perante os detentores dos wrapped tokens. Quando a bridge é operada por uma empresa, como a Ronin pela Sky Mavis, os detentores têm uma pretensão contratual ou extracontratual contra ela. Quando a bridge é um conjunto multiassinatura de validadores pseudônimos, os detentores enfrentam os problemas de sociedade simples e de identificação discutidos no Capítulo VII.

Notas

1. Os números são os divulgados pelos respectivos projetos e pela Chainalysis, Crypto Crime Report 2023, capítulo sobre hacks em DeFi. A Parte H, Capítulo I, trata da qualificação penal dos exploits. ↩

© 2026 Dr Alexander Ressos. General information only, not legal, tax or investment advice. No client relationship is created. All Singapore law advice is provided by a duly licensed and regulated firm of Singapore advocates and solicitors only on the basis of an express written letter of engagement. More information at SingaporeIQ.com and ressos.com.sg.

Disclaimer

This article is provided for general information only. It is based on publicly available sources as at its date of publication. These sources have not been independently verified against licences, regulatory registers or the records of the entities concerned. It is not legal, tax, financial or investment advice. Nor is it a recommendation to invest in, transact with or use the services of any entity mentioned. Law and regulation change frequently, so the content may be incomplete or outdated. To the fullest extent permitted by law, Dr Alexander Ressos and the publisher of SingaporeIQ exclude all liability for loss or damage arising from the use of or reliance on this article. Readers should obtain advice on their specific circumstances before acting or refraining from action.

Names and trademarks of the entities discussed belong to their owners and are used for identification only. Their mention implies no endorsement, affiliation or allegation of wrongdoing. All Singapore law advice is provided by a duly licensed and regulated firm of Singapore advocates and solicitors only on the basis of an express written letter of engagement. Corrections and updates: contact@ressos.com.

© 2026 Dr Alexander Ressos. This article may be quoted with attribution to SingaporeIQ (SingaporeIQ.com). Reproduction in full and any commercial use require prior written consent. The Legal Terms at https://singaporeiq.com/legal-terms apply.

Author contact: Dr Alexander Ressos, TEP · contact@ressos.com