In the latest [AVS MicroHacks](#) my team ([Kairos Research](#)) submitted a deep dive research about EigenLayer's AVS live on Mainnet. We released this dive dive both English and Spanish to allow more people to learn about current AVS live on Mainnet and help to expand the ecosystem.

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image

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](https://global.discourse-cdn.com/standard14/uploads/eigenlayer/original/2X/7/7a077ecb224a2d36b5017c1cb4c4cbd58bf698aa.jpeg)

- [EigenLayer AVSs: A Comprehensive Overview](#)
- [AVSs de EigenLayer: Una Visión Integral](#)

In this post I'm highlighting some of the insights on this reports:

- AVSs (Actively Validated Services) are decentralized services leveraging restaked ETH for high security, including middleware, chains, and networks requiring robust validation.
- Building an AVS involves learning EigenLayer fundamentals, developing and testing smart contracts, ensuring ease for operators, and following security practices before deploying to the mainnet.

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image

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- EigenLayer offers benefits such as enhanced security, resource efficiency, and fostering innovation by leveraging Ethereum's security infrastructure for new decentralized services.
- Risks of EigenLayer include potential operator collusion, concentration risk, liquidity risk, and regulatory challenges, all requiring careful monitoring and mitigation strategies.

We created a one pager for each of the AVS live on Mainnet to help people to take a quick overview in each of them:

[

AVS | AltLayer Mach

1080×1350 142 KB

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AVS | [AltLayer Mach](#)

[

AVS | Automata Multi - Prover

1080×1350 170 KB

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AVS | [Automata Multi - Prover](#)

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AVS | Brevis Co Chain

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AVS | [Brevis Co Chain](#)

[

AVS | DODO Chain Mach

1080×1350 160 KB

](https://global.discourse-cdn.com/standard14/uploads/eigenlayer/original/2X/f/f70f74763b5f696fdb6de54e67647083695dc1f9.jpeg)

AVS | [DODO Chain Mach](#)

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AVS | EigenDA

1080×1350 155 KB

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AVS | [EigenDA](#)

[

AVS | eOracle

1080×1350 189 KB

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AVS | [eOracle](#)

[

AVS | Lagrange State Committees

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AVS | [Lagrange State Committees](#)

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AVS | Lagrange ZK Prover Network

1080×1350 153 KB

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AVS | [Lagrange ZK Prover Network](#)

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AVS | Omni Network

1080×1350 176 KB

](https://global.discourse-cdn.com/standard14/uploads/eigenlayer/original/2X/b/b8a5b18b38f211ea981b12ec65cc3040a687d01f.jpeg)

AVS | [Omni Network](#)

[

AVS | OpenLayer

1080×1350 165 KB

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AVS | [OpenLayer](#)

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AVS | Witness Chain

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AVS | [Witness Chain](#)

[

AVS | Xterio Mach

1080×1350 140 KB

](https://global.discourse-cdn.com/standard14/uploads/eigenlayer/original/2X/1/19c6ee84fa53ca125114cecfea3d0c1278e06782.jpeg)

AVS | [Xterio Mach](#)

As EigenLayer continues to scale and secure Ethereum, new use cases for restaking will emerge, attracting more teams to become operators. Here are some upcoming AVSs:

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Hope this post help people to learn more about EigenLayer and AVS. See you!