

Harsh Observability Platform - Documentation

What is Harsh Platform? - Part 1

Harsh is a next-generation observability platform designed to provide complete visibility into modern infrastructure, applications, and services. Built with cutting-edge components like VictoriaMetrics instead of traditional TSDBs, it offers superior performance, scalability, and storage efficiency.

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Why Harsh is the Best in the World of Observability - Part 1

Unlike traditional platforms, Harsh provides high ingestion rates, faster queries, and ultra-low storage costs. It natively supports metrics, traces, and logs in a single, unified platform. Built with developers and SREs in mind, Harsh reduces MTTR and improves alerting precision by over 40%.

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.%04 revo yb noisicerp gnitrela sevorpmi dna RTTM secuder hsraH ,dnim ni sERS dna srepleved htiw tliuB .mroftalp deifinu ,elgnis a ni sgol dna ,secart ,scirtem stroppus ylevitan tl .stsoc egarots wol-artlu dna ,seireuq retsaf ,setar noitsegni hgih sedivorp hsraH ,smroftalp lanoitidart ekilnU

Comparison: Harsh vs Prometheus - Part 1

While Prometheus is widely used, it struggles with horizontal scaling and long-term storage. Harsh leverages VictoriaMetrics to provide compression 7x better and query speeds up to 4x faster. Harsh supports native clustering, automatic sharding, and real-time anomaly detection out-of-the-box.

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.xob-ehf-fo-tuo noitceted ylamona emit-laer dna ,gnidrahs citamotua ,gniretsulc evitan stropplus
hsraH .retsaf x4 ot pu sdeeps yreuq dna retteb x7 noisserpmoc edivorp ot scirteMairotciV
segarevel hsraH .egarots mret-gnol dna gnilacs latnoziroh htiw selggurts ti ,desu ylediw si
suehtemorP elihW

Metrics Collection in Harsh - Part 1

Harsh scrapes, pushes, and streams metrics using VM agents. It supports OpenMetrics and Prometheus format, but enhances it with enriched labels, anomaly tags, and automatic cardinality control. It allows filtering at the ingestion level, making it highly cost-effective.

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.evitceffe-tsoc ylhgiH ti gnikaM ,level noitsegni eht ta gniretlif swolla tI .lortnoc ytilanidrac
citamotua dna ,sgat ylamona ,slebal dehcirne htiw ti secnahne tub ,tamrof suehtemorP dna
scirteMnepO stropplus tI .stnega MV gnisu scirtem smaerts dna ,sehsup ,separcs hsraH

Traces in Harsh - Part 1

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.noitalerroc ycnetaL detamotua dna ,strahcemalf ,shparg ecart derewop-IU htiw metsys gnicart
detubirtsid a sreffo buHecarT hsraH ,yrtemeleTnepO fo pot no tliuB

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Use Cases - Part 1

DevOps monitoring, SRE dashboards, real-time anomaly detection, cloud-native microservices observability, performance benchmarking, cost-efficient logging, compliance-based audit trails, SLA-based alerting and more.

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Architecture Overview - Part 1

Harsh consists of: (1) VM Agent for metrics scraping, (2) TraceHub for distributed tracing, (3) VectorLog for log shipping and enrichment, (4) Harsh UI for visualizations, (5) AlertBrain for intelligent alerting, (6) Storage optimized with VictoriaMetrics DB.

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Use Cases - Part 4

DevOps monitoring, SRE dashboards, real-time anomaly detection, cloud-native microservices observability, performance benchmarking, cost-efficient logging, compliance-based audit trails, SLA-based alerting and more.

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morf gnixedni ecnamrofrep-hgih yb dekcab erots tcejbo detubirtsid a ni derots era sgoL

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.OSS htiw troppus ycnanet-itlum sa llew sa ,tisnart ni dna tser ta noitpyrcne ,sliart tidua ,slortnoc ssecca deniarg-enif sreffo ti .RPDG dna ,AAPIH ,2COS htiw tnailpmoc si hsraH

Integrations - Part 13

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What is Harsh Platform? - Part 14

Harsh is a next-generation observability platform designed to provide complete visibility into modern infrastructure, applications, and services. Built with cutting-edge components like VictoriaMetrics instead of traditional TSDBs, it offers superior performance, scalability, and storage efficiency.

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Why Harsh is the Best in the World of Observability - Part 14

Unlike traditional platforms, Harsh provides high ingestion rates, faster queries, and ultra-low storage costs. It natively supports metrics, traces, and logs in a single, unified platform. Built with developers and SREs in mind, Harsh reduces MTTR and improves alerting precision by over 40%.

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Harsh is a modern observability platform designed for high performance and scalability. It supports a wide range of data types, including metrics, traces, and logs, and provides a unified interface for querying and analyzing this data. Harsh is built with a focus on developer experience and operational efficiency, making it a valuable tool for teams looking to improve their observability capabilities.

Comparison: Harsh vs Prometheus - Part 14

While Prometheus is widely used, it struggles with horizontal scaling and long-term storage. Harsh leverages VictoriaMetrics to provide compression 7x better and query speeds up to 4x faster. Harsh supports native clustering, automatic sharding, and real-time anomaly detection out-of-the-box.

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Harsh is designed to be a drop-in replacement for Prometheus, offering a familiar interface and a wide range of integrations. It supports the same query language and alerting rules as Prometheus, making it easy to migrate existing monitoring setups to Harsh. Harsh also offers a number of additional features, such as native clustering and automatic sharding, that are not available in Prometheus.

Metrics Collection in Harsh - Part 14

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.detargetni lla s'ti—noitazilauisv ytrap-driht eriuqer t'nseod hsraH ,nikpiZ ro regeaj ekilnU
.noitalerroc ycnetal detamotua dna ,strahcemalf ,shparg ecart derewop-IU htiw metsys gnicart
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ylamona gol dna ,hcraes txet-lluf ,gniretlif desab-xeger swolla hsraH .sgoLairotciV + rotceV
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Use Cases - Part 14

DevOps monitoring, SRE dashboards, real-time anomaly detection, cloud-native microservices observability, performance benchmarking, cost-efficient logging, compliance-based audit trails, SLA-based alerting and more.

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Harsh Observability Platform - Documentation

emit-laer ,sdraobhsad ERS ,gnirotinom spOveD

Architecture Overview - Part 14

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Security & Compliance - Part 14

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Harsh Observability Platform - Documentation

,rekcoD ,setenrebuK htiw elbitapmoC

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.evitceffe-tsoc ylhgiH ti gnikaM ,level noitsegni eht ta gniretlif swolla tI .lortnoc ytilanidrac
citamotua dna ,sgat ylamona ,slebal dehcirne htiw ti secnahne tub ,tamrof suehtemorP dna
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