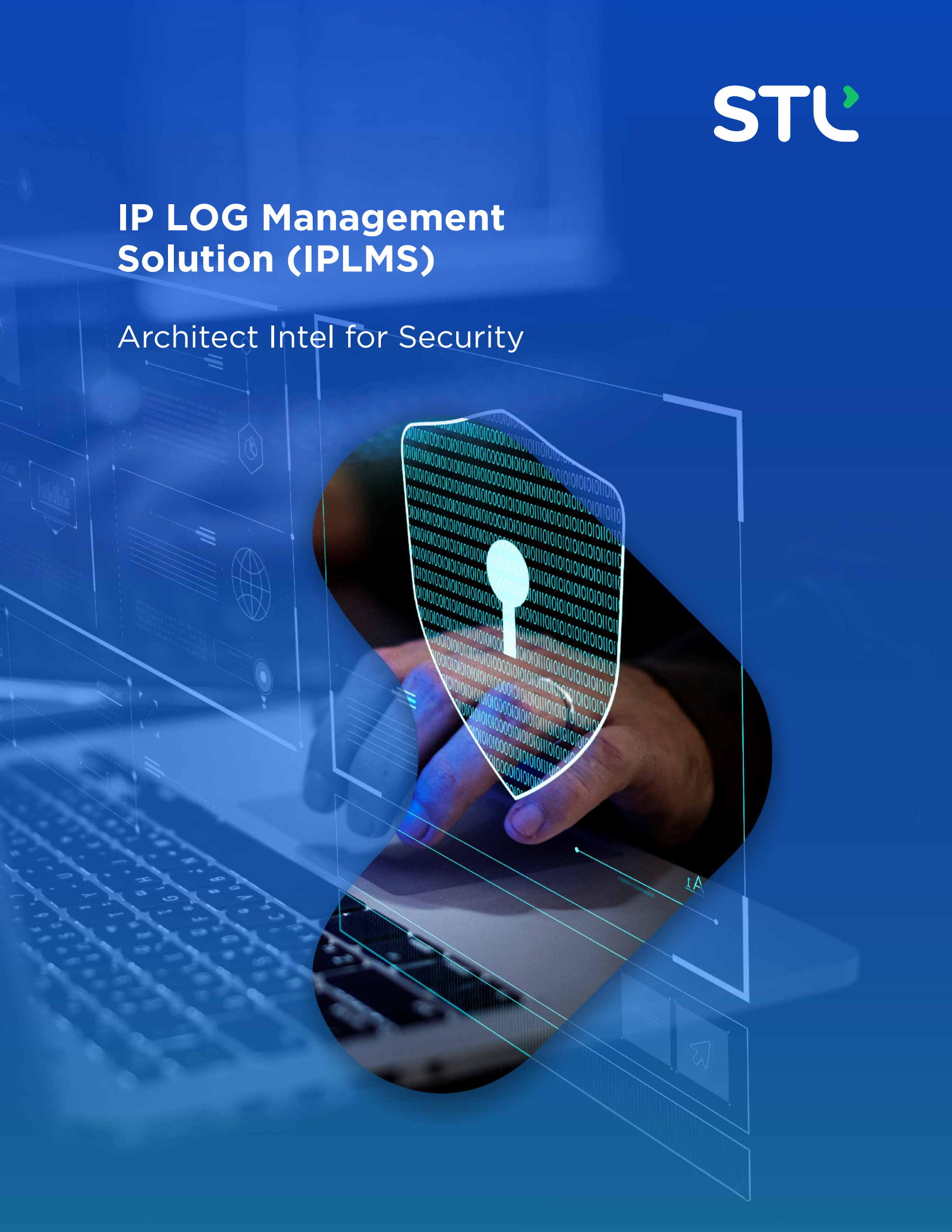




IP LOG Management Solution (IPLMS)

Architect Intel for Security



Overview

Social Media is the new-age communication platform whether for information sharing, marketing or connecting with friends. The popularity of this platform has caused a great surge in the no. of devices like smartphones, tablets, net-books & IOT devices and in turn triggered the exponential rise in data traffic. Total data growth is expected to reach 175 Zeta bytes by 2025 with 75% of total population having a digital data engagement over 4,900 times per day, about once every 18 seconds. This causes the challenge of handling such volumes of data with ingestion, processing and storage.

Moreover, the internet as exposed is exploited by criminals and increasing incidences of cybercrimes are witnessed around the globe. Cybercrime is predicted to cause damage of \$6 Trillion USD annually by 2021 and is more profitable than the global trade of all major illegal drugs combined. This raises the challenge for government and lawful agencies to monitor and intercept all suspected communication activities and prevent such attacks. Also, Regulatory authorities in every country are making it mandatory for CSPs to capture detailed information of every data session for every subscriber with all necessary details. For CSPs, log management is essential to ensure that records are stored with sufficient detail, for an appropriate period of time in order to aid Lawful Interception (LI) authorities and investigative agencies.

CSP's Requirement



What is IPLMS?

IP Log Management Solution (IPLMS) is a fully automated one click software solution that offers CSPs a web based system to provide end-to-end information for suspected user and incidences. It is an intelligent solution empowering CSP's and investigating agencies to store &

retrieve data with lightning search. It provides end- to-end IP details and subscriber details based on: Time stamp & Date, Source Private IP, Source Port, MSISDN No, Destination IP, Destination Port, MACID, NATed Public IP etc.



KPIs

LI Queries Scan

20

Trillion

Records in an Hour

Hyper Scalable
With only 3.5X Server Growth

235x

Data Growth

Handled in Tier 1 CSP

Web-Scale
Data Ingestion

30

PB/Year

CDR Volume
Processed in a Day

1200+

Billion

LEA's Request
Fulfilled

5 Lakh +

of 1 day +
Duration Search

SPEED OF
DEPLOYMENT

24 Hrs to **4** Weeks

End to End

No Solution
Outage

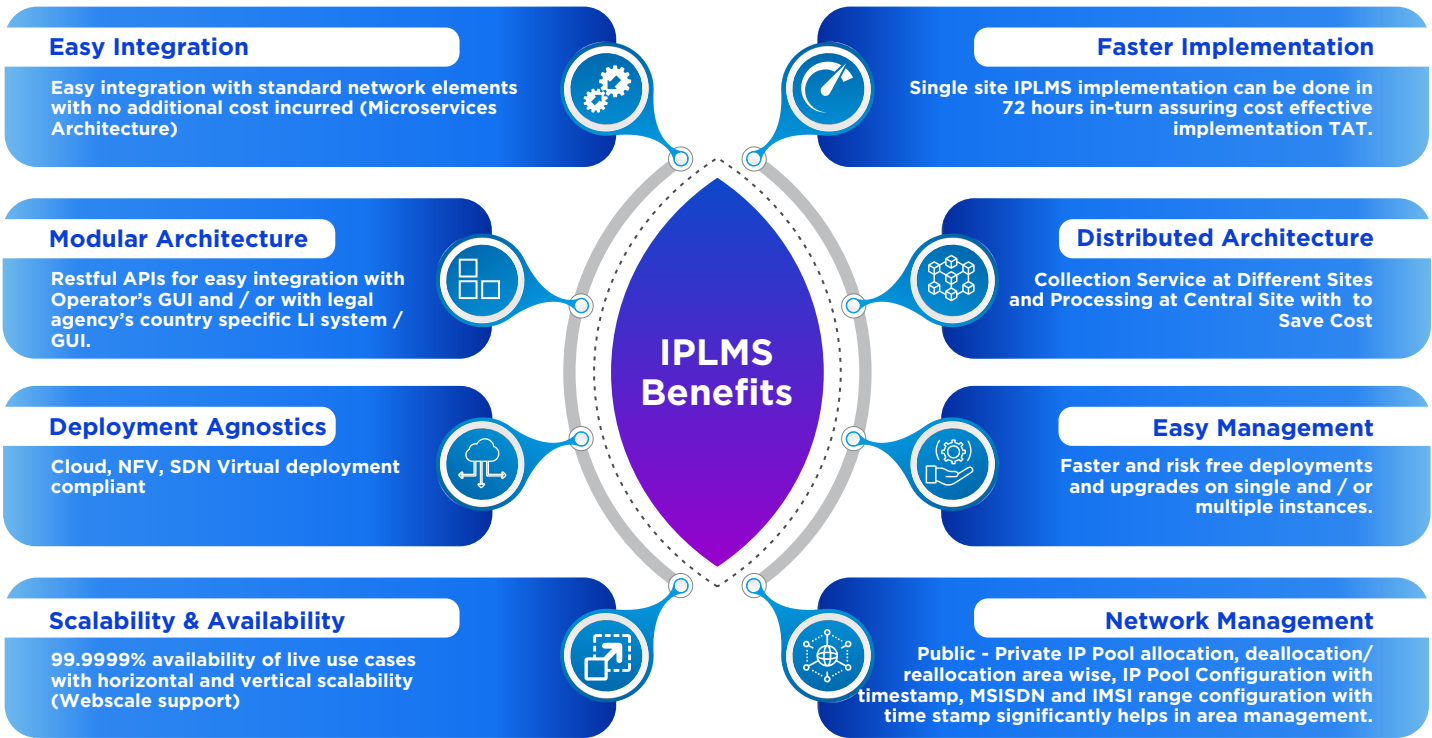
99.999%

System Online
0 P1s For last 8 Years

Cost Effective
Storage

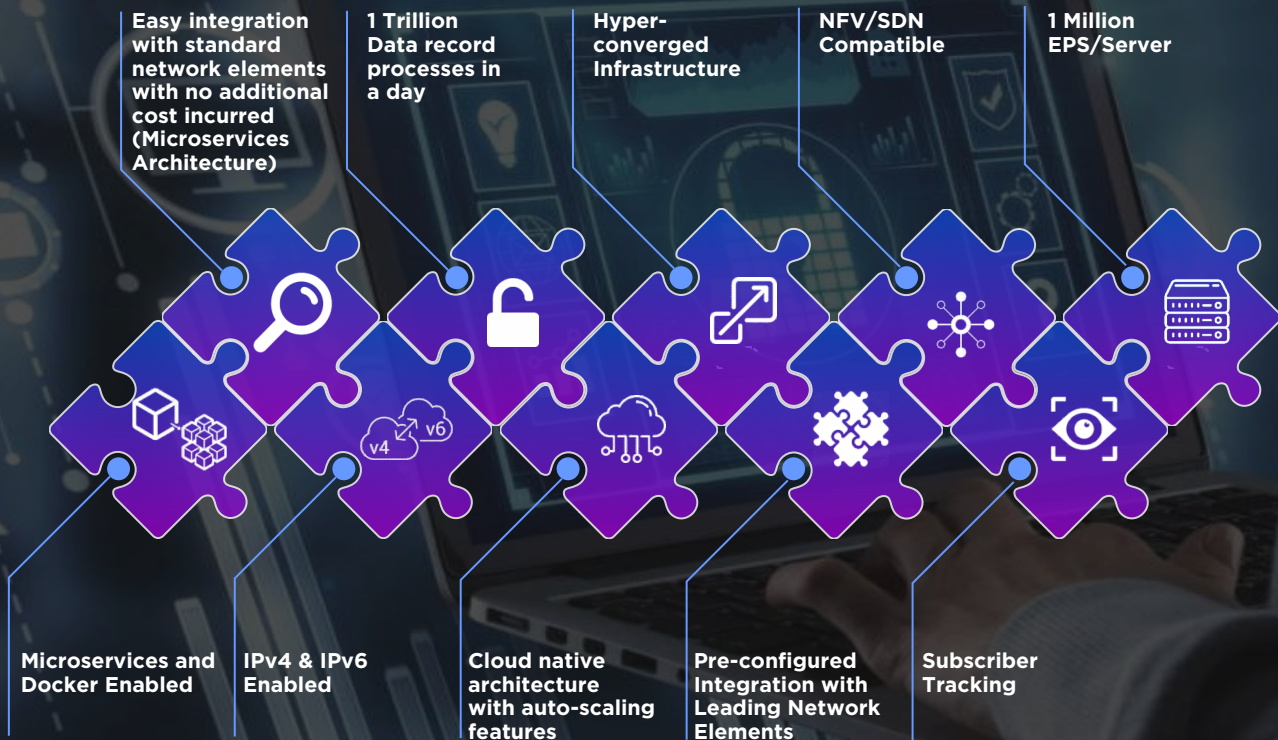
93%

Additional Compression
More than Competition



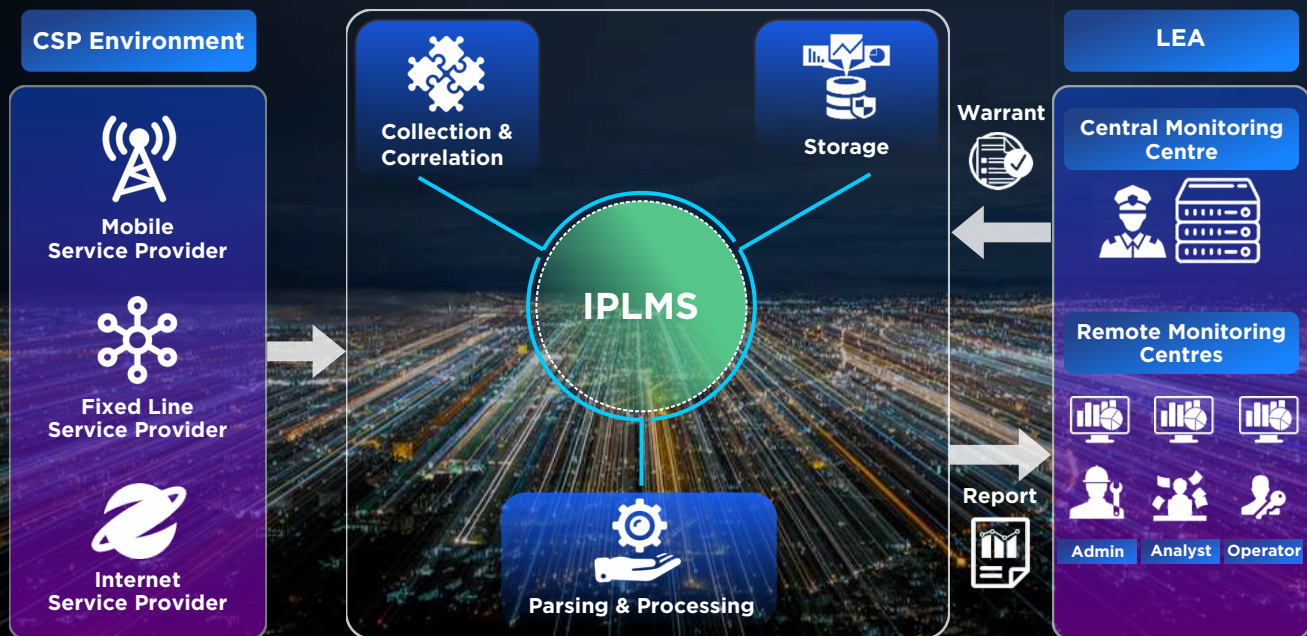
Platform Highlights

One Click Software Solution to Provide end-to-end Information of the Suspected User and Correlated Network Information





Functional Architecture



Sterlite Technologies Limited (STL) is a global leader in end-to-end data network solutions.



www.stl.tech

We design and deploy high-capacity converged fibre and wireless networks. With expertise ranging from optical fibre and cables, hyper-scale network design, and deployment and network software, we are the industry's leading integrated solutions provider for global data networks. We partner with global telecom companies, cloud companies, citizen networks and large enterprises to design, build and manage such cloud-native software-defined networks.

STL has innovation at its core. With intense focus on end-to-end network solutions development, we conduct fundamental research in next-generation network applications at our Centres of Excellence. STL has strong global presence with next-gen optical preform, fibre and cable manufacturing facilities in India, Italy, China and Brazil and two software-development centres.