

DigitalExpert

Consulenze Informatiche

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Web Site: www.digitalexpert.it

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Systems – Networking – Software & Hardware Development

Special projects – Kanban Solutions

Training – InterTechnology Integrations

Monitoring Systems – Web Applications

*Maintenance – **Security** - Forensic*

Telecommunications - Elettropollution

Phalanx Framework

*Experiences in diagnostics
For
Networks, Systems and Services*

*Media Streaming in a
Phalanx-managed environment*

Media Streaming abstracts

Media streaming services are structured as typical **one-to-many** service providing with a core composed by these kind of systems:

- One or more frontend server
- One or more content-manager server

Access policies are usually managed by frontend server or specific system, due to **accounting** activities.

There are “short-period” and “long-period” services (internetradio, videobox, mediashare, pay-per-view, enterprise broadcasting, etc)

Streaming criticalities

Streaming services are often affected by:

- **Provider-related performance problems**

- trunk connection throughput
 - concurrent connections limits
 - connection faults
 - processing limits

- **User-related performance problems**

- connection throughput
 - connection faults
 - processing limits
 - presentation limits

- **User Identification & Accounting problems**

- Provider has to manage user activities & service pricing

Phalanx Streaming Support

Phalanx helps provider or end-user management with:

- **Easy Server Farm diagnostic**
communication and performance check for servers and connectivities
- **Easy end-user connectivity diagnostic**
Phalanx helps line monitoring and session metering
- **Easy end-user system diagnostics and support**
Phalanx helps system-related and performances problem solving
- **Identification & license support**
Phalanx deeply identifies users, systems and locations

Phalanx End-User metering

Phalanx support permits fundamental end-user functionalities, ever those always uncovered by media players or server-related controls

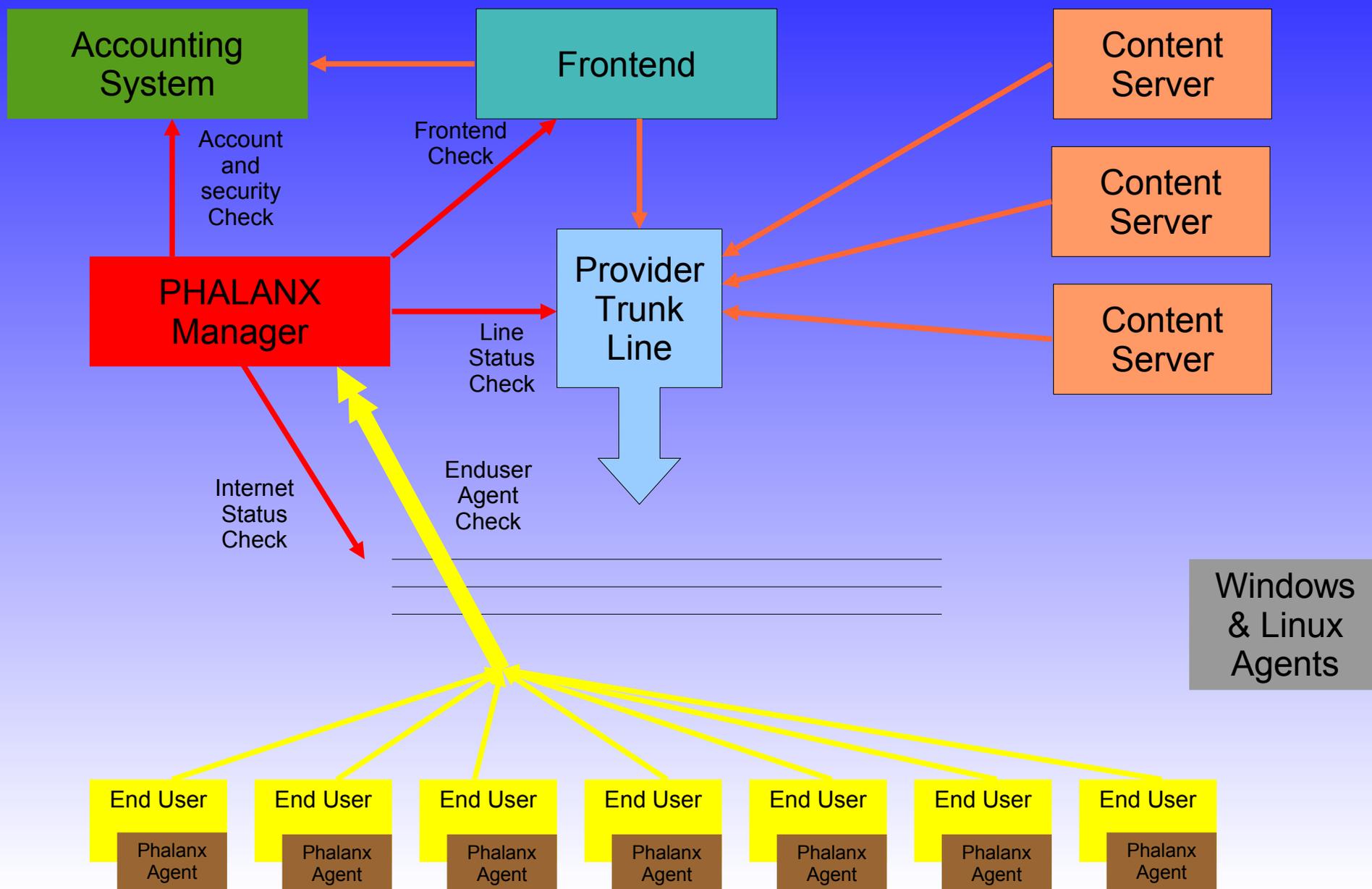
- End-user personality

- avoids unwanted users and/or unwanted systems/connections (stolen credentials, shared presentation space, known forbidden environments, etc)
 - (made by session-killing)

- End-user metering

- service use can be detected at presentation endpoint (user accounting details can be read directly at endpoint and can be shared between service provider and end-user)

Phalanx IDS – NOC scheme



Phalanx

Phalanx Empowering Highlights

Provider gets control on centric service level

Provider gets control on real user access

End-user gets technological support

End-user gets accounting security

Provider and end-user shares service-level status

Customer Highlights

International provider

Thousands of customers

WorldWide service

Mixed media

(mp3, video, audio, e-learning, etc)

Etherogeneous Business

(Media provider, Advertising, enterprise services, etc)

DigitalExpert Role

Phalanx functionalities supervisor

Diagnostic support
(provider or user-related)

Service improvements

Communication consultant

DigitalExpert

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Thanks!