

# Your Presentation Title

An optional subtitle for more context

Your Name | IPFire Project

February 18, 2026

# Agenda

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Introduction

Content Examples

Closing

# Introduction

Background & Motivation

# What is IPFire?

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IPFire is a hardened, versatile, state-of-the-art Open Source firewall based on Linux. Its ease of use, high performance in any scenario and extensibility make it usable for everyone.

- Stateful Packet Inspection (SPI) Firewall
- Intrusion Detection and Prevention
- Web Proxy with Content Filtering
- VPN support (IPsec, OpenVPN, WireGuard)

## Designed for security

- Minimal attack surface
- Regular security updates
- Kernel hardening

## Community-driven

- Open Source (GPL)
- Active mailing lists & forums
- [ipfire.org](https://ipfire.org)

## Security by Default

IPFire ships in a secure configuration out of the box. Administrators open only what is explicitly needed – not the other way around.

## Important

Always keep your IPFire installation up to date to benefit from the latest security patches.

# Content Examples

Demos, code, and data

# Checking Firewall Status

You can inspect the active firewall rules from the shell:

```
# List all iptables rules with counters
```

```
iptables -nvL --line-numbers
```

```
# Check INPUT chain only
```

```
iptables -nvL INPUT
```

```
# Show NAT rules
```

```
iptables -t nat -nvL
```

# How IPFire Handles a Packet

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2. Connection tracking checks state table
3. Firewall rules evaluated top-to-bottom
4. **Intrusion detection** inspects payload (optional)
5. Packet forwarded, dropped, or rejected

## Stateful Inspection

IPFire tracks connection state so return traffic for established connections is allowed automatically – without explicit rules.

**Closing**

- IPFire is a production-ready, hardened Linux firewall distribution
- Zone-based architecture provides clear network separation
- Regular updates and an active community keep it secure
- Extensible via Add-ons without compromising core security

## Get Involved

- Website: [www.ipfire.org](http://www.ipfire.org)
- Development: [git.ipfire.org](https://git.ipfire.org)
- Community: [community.ipfire.org](http://community.ipfire.org)

# Questions?

Your Name