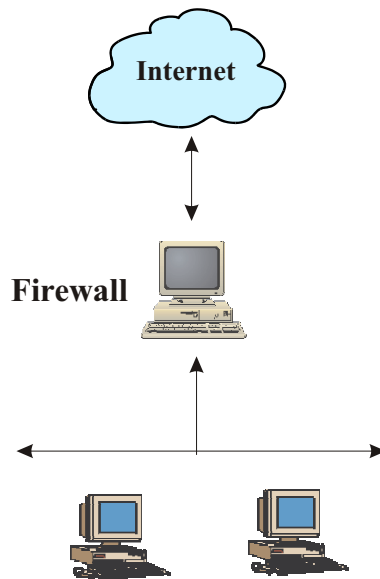


## Firewall - Arten

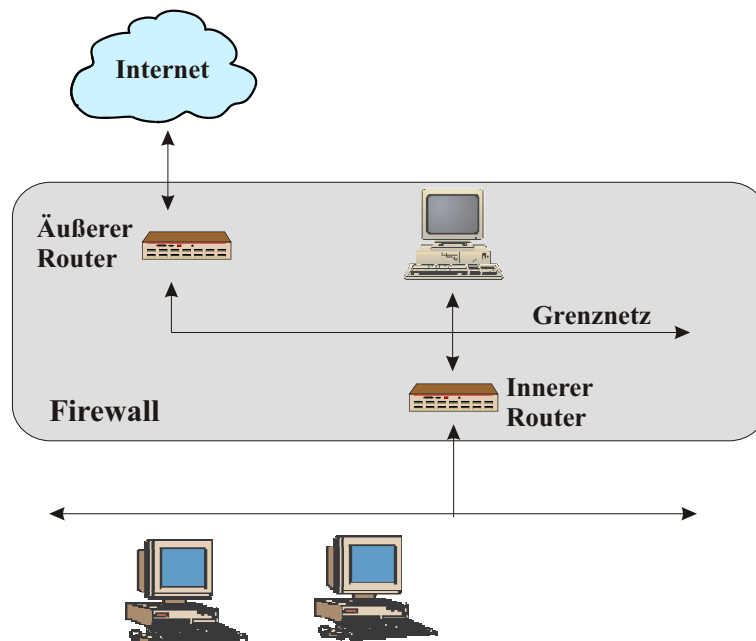
- Packet Filter Firewall
- Application Level Proxy
- Circuit Level Proxy

### Architekturen

dual homed



screened subnet

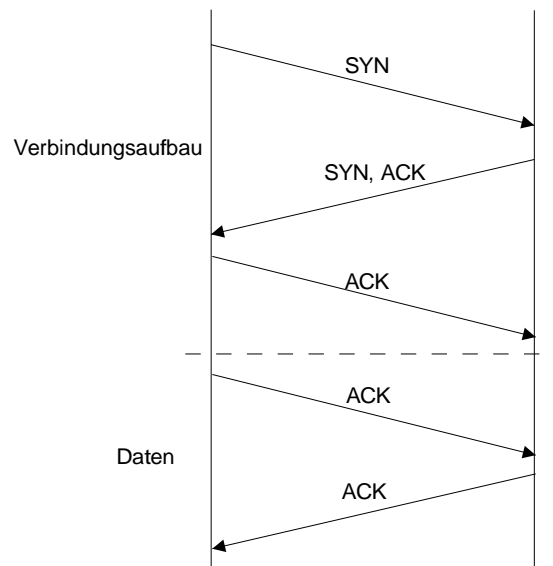


# Für Filterung wichtige Felder der Internet-Protokolle

## IP

|                                     |                                |              |                       |                      |
|-------------------------------------|--------------------------------|--------------|-----------------------|----------------------|
| 4-Bit                               | 4-Bit                          | 8-Bit        | 16-Bit                |                      |
| Version                             | Header-Länge                   | Service-Type | Länge des Datagramms  |                      |
| Identifikationsnummer               |                                |              | Flags                 | Offset des Fragments |
| Time to Live                        | Protokoll der Transportschicht |              | Prüfsumme des Headers |                      |
| Internet-Adresse des Quell-Rechners |                                |              |                       |                      |
| Internet-Adresse des Ziel-Rechners  |                                |              |                       |                      |
| Optionen (z.B. Source Routing)      |                                |              | Füllzeichen           |                      |
| Header des Transportprotokolls      |                                |              |                       |                      |

## TCP



## UDP

|                          |                           |
|--------------------------|---------------------------|
| 16 Bit                   | 16 Bit                    |
| Portnummer des Absenders | Portnummer des Empfängers |
| Datagrammlänge           | Prüfsumme                 |