OSPF Multi-Area Routing

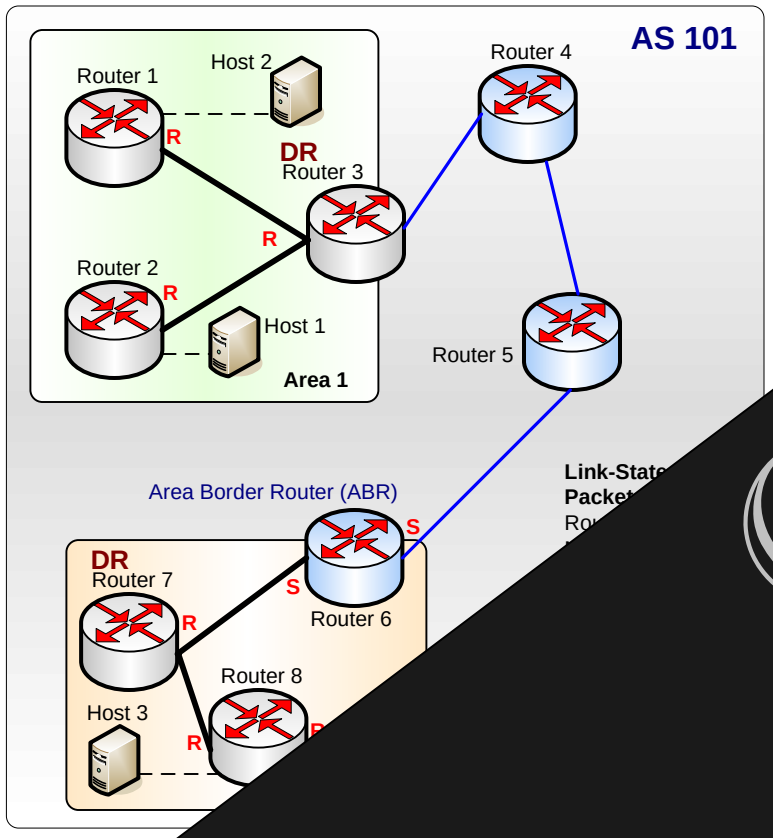
(Minimize the number of LSA advertisements into an area)

```
interface s0
 ip address 172.16.11.71 255.255.255.0

interface Ethernet0
 ip address 192.168.12.1 255.255.255.

router ospf 101
network 172.16.0.0 0.0.255.
network 198.168.0.0 0.0.
```

An area's topology is **invisible** to entities outside the area.
By keeping area topologies separate, OSPF passes less routing traffic than it would if the AS were not partitioned.

Area partitioning creates two different types of OSPF routing, depending on whether the source and the destination are in the same or
Intra-area routing occurs when the source and destination are in the same area; **interarea routing** occurs when they are in differe

An **OSPF backbone** is responsible for distributing routing information between areas. It consists of all Area Border Routers
area, and their attached routers.



OSPF has special restrictions when multiple
configured, one of these areas has be to
designing networks it is good practice
later on.
The backbone has to be at the
connected to the backbone
routing information into t
information into othe

In some rare
backbone
path to
com