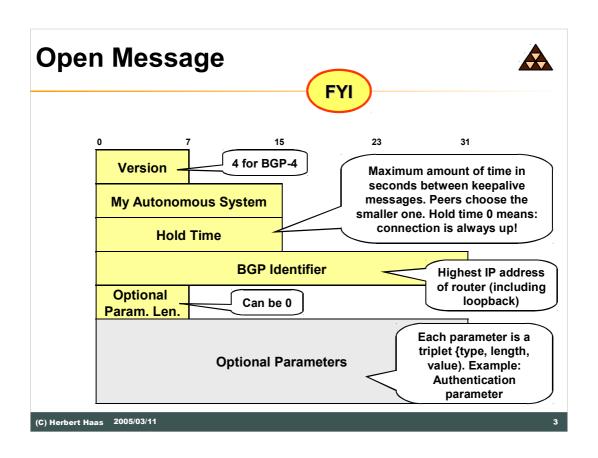
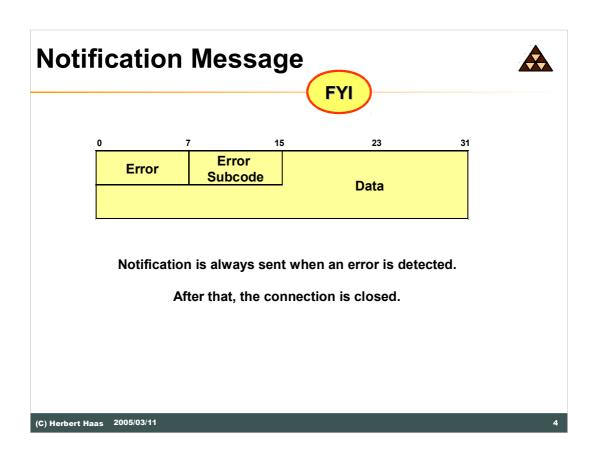


This is the basic BGP header format. This and the following slides marked with a "FYI" at the upper-left of the slide are only given "for yout interest". It is usually not necessary to know this details by heart—unless you plan to go deeper in BGP.





Keepalive Message

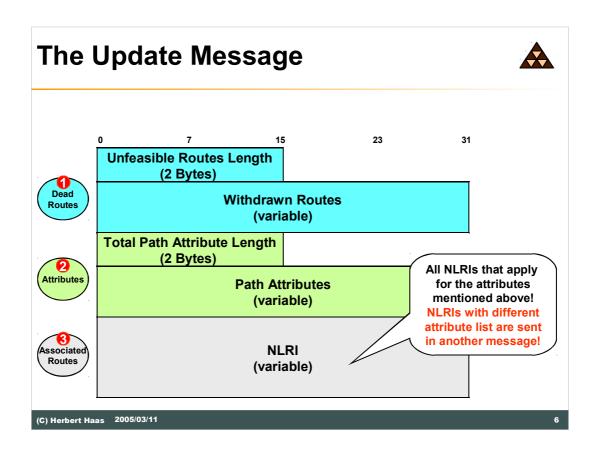


- Consists of header only (19 bytes)
- Must be sent before hold time expires
- Recommended keepalive rate= 1/3 of hold time
- Not necessary if update message is sent

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Keepalive messages are sent periodicaly, by default at 60 seconds interval.



The picture above shows the most important message within BGP: the update. Note that the update message consists of three parts. The first part contains all unfeasible routes (also known as "withdrawn" routes). The second part contains a consistent set of attributes for the following regular routes listed in the third part of the message.

Note that another update message has to be sent if a route (NLRI) should be advertised with a different set of attributes.

