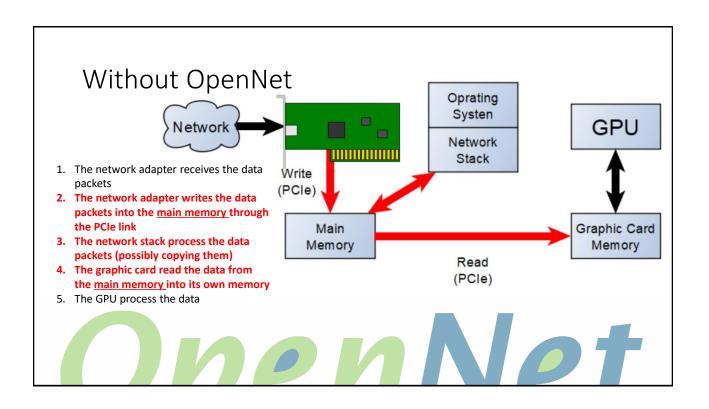


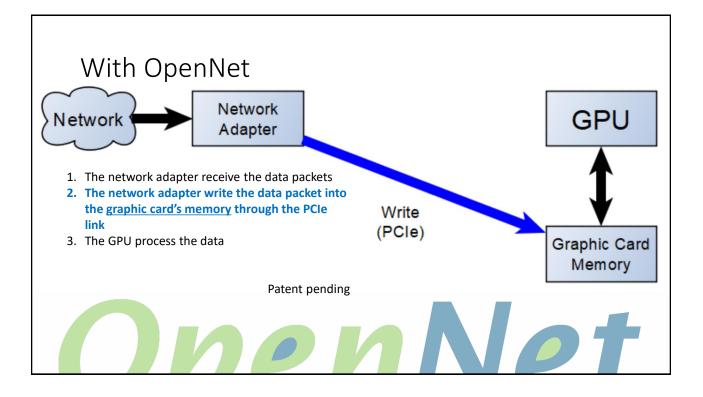
#### Contents

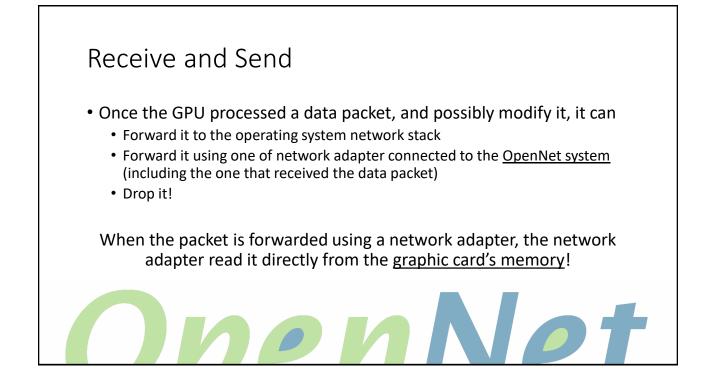
- Without OpenNet vs With OpenNet
- Technical information
- Possible applications
  - Artificial Intelligence
  - Deep Packet Inspection
  - Image and Video processing
  - Network equipment development and validation

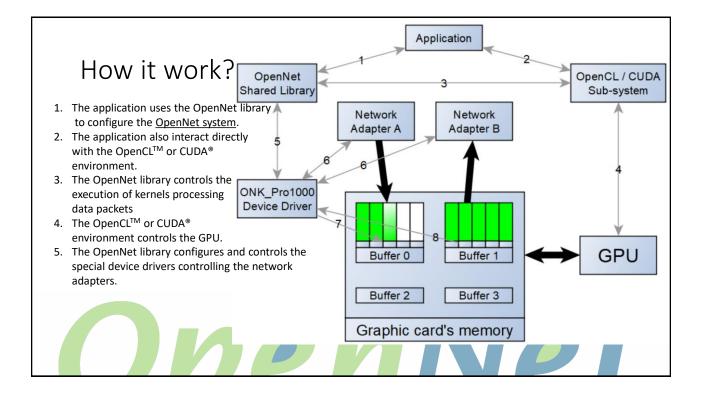


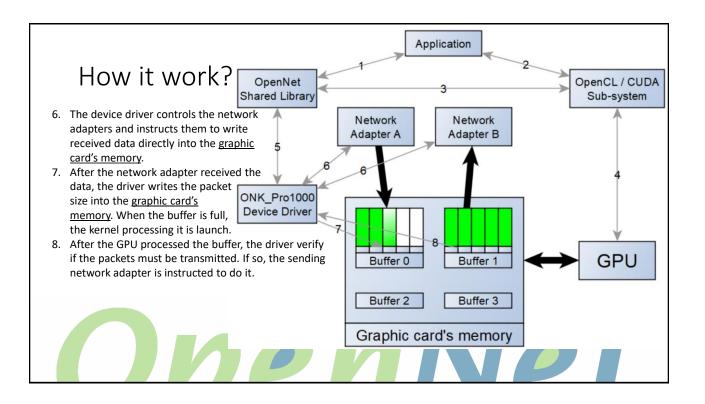


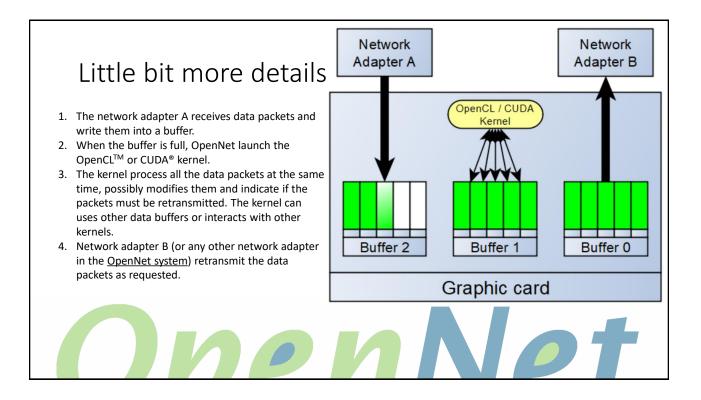


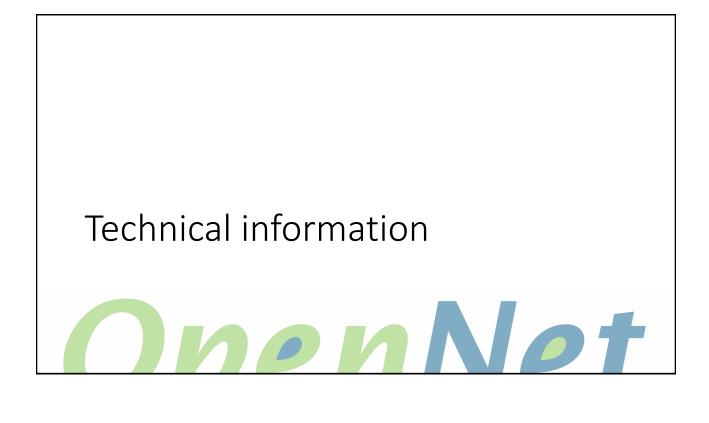


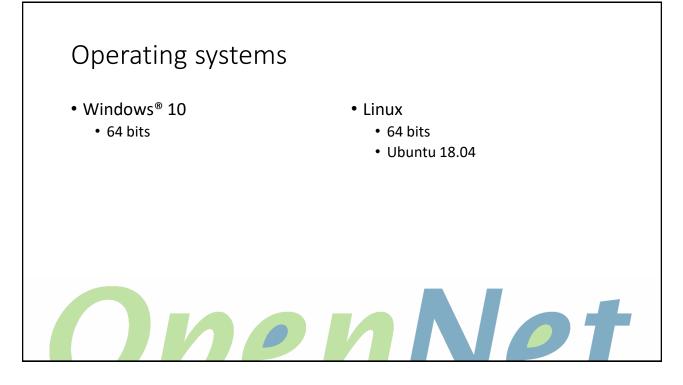


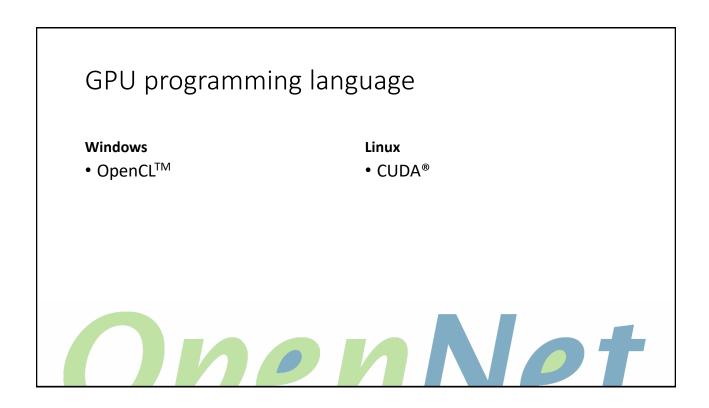


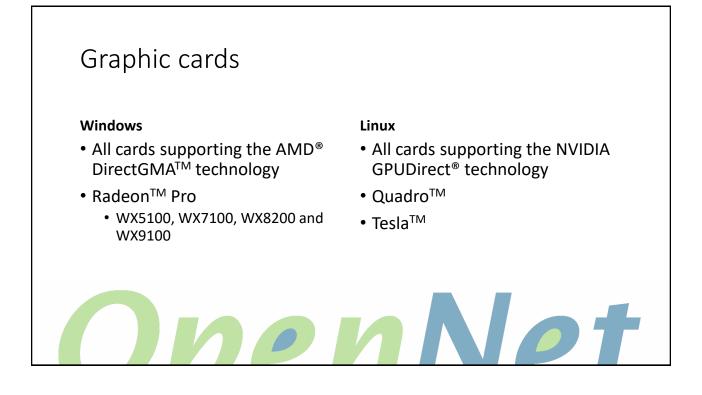


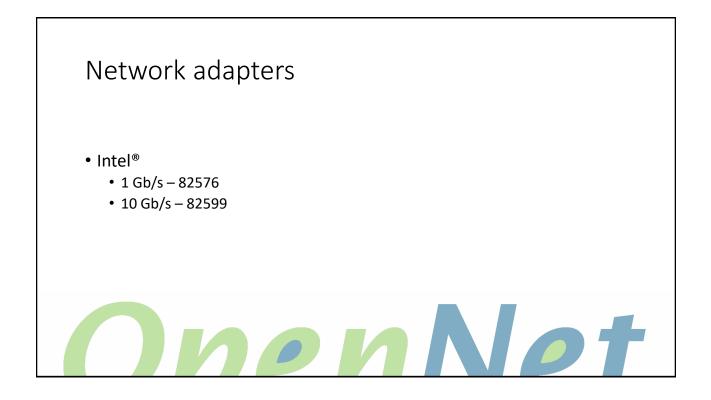










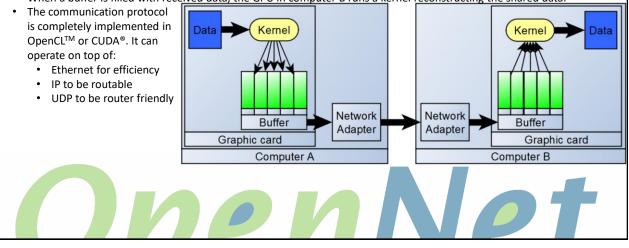


## Possible applications

# Artificial Intelligence Feed training data or data to process Share large amount of data between graphic cards installed in different computers

### Share large amount of data between graphic cards

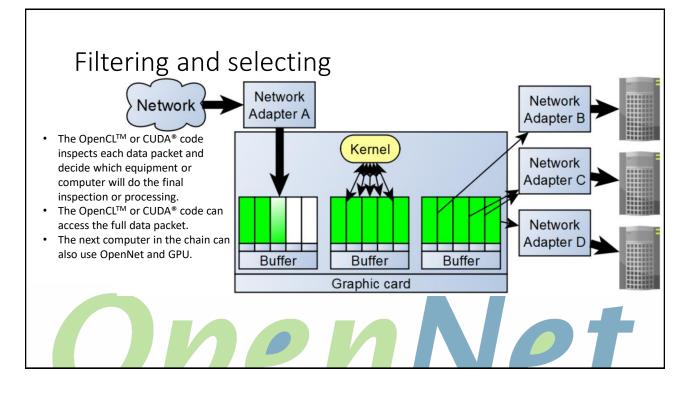
- When buffer is ready to be filled, the GPU in computer A runs a kernel that simply break shared data in packets and indicate which packets must be sent.
- When a buffer is filled with received data, the GPU in computer B runs a kernel reconstructing the shared data.

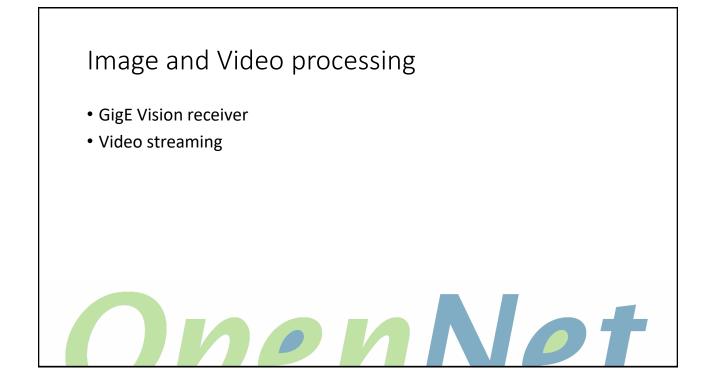


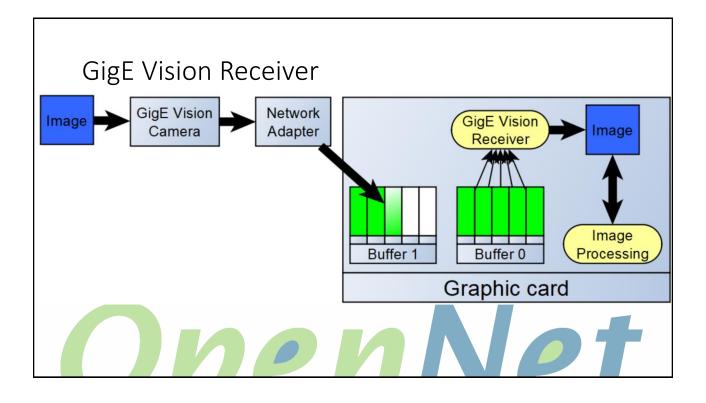
#### Deep Packet Inspection

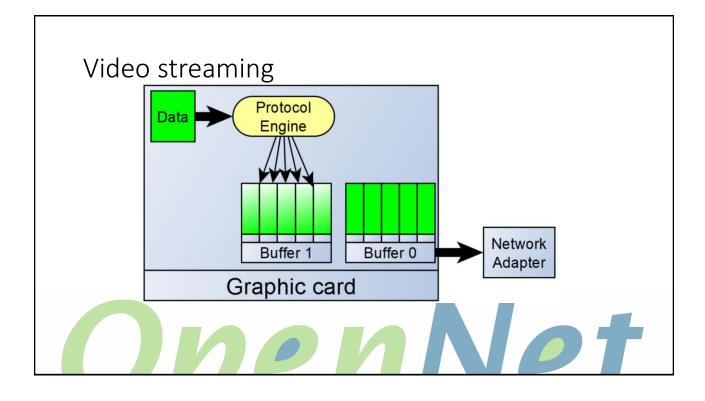
- Deep Packet Inspection
- Filtering and selecting

## <u>OnenNet</u>









### Network equipment development and validation

- Test of OpenCL<sup>™</sup> code aimed to FPGA
- Traffic verification
- Traffic generation



