

For encryption the graph shows the difference in AES modes at a different key lengths computation time, the graph shows that ecb has the lowest time at higher input sizes (100mb) while cbc and ctr are mid range at around ~300 - 400ms while gcm performs the worst with it reaching ~700 – 900ms. The same is shown in decryption but its more exaggerated with gcm being around 5 times slower at the highest file size tested.

