

# Ingest S3 Performance

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```
pl <- one_gib %>%
  ggplot(aes(x = delay, y = median_runtime, color = as.factor(N))) +
  geom_line() +
  geom_point(shape=1) +
  theme_light() +
  theme(strip.background = element_rect(color="black"), strip.text = element_text(size = 13, color = "b",
  scale_color_discrete(name = "# Threads", labels = c("Streaming", "2", "3", "4", "8"))) +
  labs(x = "Network RTT (milliseconds)",
    y = "Execution Time (seconds)") +
  scale_y_continuous(limits = c(0, 35), breaks = seq(0, 35, 10))

strips <- strip_themed(
  background_x = elem_list_rect(fill = c("rosybrown1", "lightgreen")),
  by_layer_x = TRUE,
)
pl <- pl + facet_wrap2(~ MiB + numfiles, strip=strips)
ggsave(file="one_gib.png", plot=pl, width=8, height=6)

pl <- five_gib %>%
  ggplot(aes(x = delay, y = median_runtime, color = as.factor(N))) +
  geom_line() +
  geom_point(shape=1) +
  theme_light() +
  theme(strip.background = element_rect(color="black"), strip.text = element_text(size = 13, color = "b",
  scale_color_discrete(name = "# Threads", labels = c("Streaming", "2", "3", "4", "8"))) +
  labs(x = "Network RTT (milliseconds)",
    y = "Execution Time (seconds)") +
  scale_y_continuous(limits = c(0, 50), breaks = seq(0, 50, 10))

strips <- strip_themed(
  background_x = elem_list_rect(fill = c("rosybrown1", "lightgreen")),
  by_layer_x = TRUE,
)
pl <- pl + facet_wrap2(~ MiB + numfiles, strip=strips)
ggsave(file="five_gib.png", plot=pl, width=8, height=6)
```