Benchmarking

Scrapy comes with a simple benchmarking suite that spawns a local HTTP server and crawls it at the maximum possible speed. The goal of this benchmarking is to get an idea of how Scrapy performs in your hardware, in order to have a common baseline for comparisons. It uses a simple spider that does nothing and just follows links.

```
scrapy bench
```

You should see an output like this:

```
2016-12-16 21:18:48 [scrapy.utils.log] INFO: Scrapy 1.2.2 started (bot: quotesbot)
2016-12-16 21:18:48 [scrapy.utils.log] INFO: Overridden settings: {'CLOSESPIDER_TIMEOUT': 10, 'ROBOTSTXT_OBEY': True, 'SPIDER_MODULES': 2016-12-16 21:18:49 [scrapy.middleware] INFO: Enabled extensions: ['scrapy.extensions.closespider.CloseSpider', 'scrapy.extensions.logstats.LogStats', 'scrapy.extensions.telnet.TelnetConsole', 'scrapy.extensions.expect.compState!'
    'scrapy.extensions.telnet.TelnetConsole',
'scrapy.extensions.corestats.CoreStats']
2016-12-16 21:18:49 [scrapy.middleware] INFO: Enabled downloader middlewares:
['scrapy.downloadermiddlewares.nttpauth.HttpAuthMiddleware',
'scrapy.downloadermiddlewares.httpauth.HttpAuthMiddleware',
'scrapy.downloadermiddlewares.downloadtimeouth.DownloadTimeoutMiddleware',
'scrapy.downloadermiddlewares.defaultheaders.DefaultHeadersMiddleware',
'scrapy.downloadermiddlewares.useragent.UserAgentMiddleware',
'scrapy.downloadermiddlewares.retry.RetryMiddleware',
'scrapy.downloadermiddlewares.retry.RetryMiddleware',
'scrapy.downloadermiddlewares.retry.RetryMiddleware',
'scrapy.downloadermiddlewares.retryRetresinfEthCompassionsUddleware',
     'scrapy.downloadermiddlewares.redirect.metakerresnmidaleware',
'scrapy.downloadermiddlewares.httpcompression.HttpCompressionMiddleware',
'scrapy.downloadermiddlewares.redirect.RedirectMiddleware',
'scrapy.downloadermiddlewares.cookies.CookiesMiddleware',
'scrapy.downloadermiddlewares.stats.DownloaderStats']
2016-12-16 21:18:49 [scrapy.middleware] INFO: Enabled spider middlewares:
['scrapy.spidermiddlewares.offsite.OffsiteMiddleware',
'scrapy.spidermiddlewares.offsite.OffsiteMiddleware',
     'scrapy.spidermiddlewares.referer.RefererMiddleware',
'scrapy.spidermiddlewares.urllength.UrlLengthMiddleware',
'scrapy.spidermiddlewares.depth.DepthMiddleware',
'scrapy.spidermiddlewares.depth.DepthMiddleware']
2016-12-16
```

That tells you that Scrapy is able to crawl about 3000 pages per minute in the hardware where you run it. Note that this is a very simple spider intended to follow links, any custom spider you write will probably do more stuff which results in slower crawl rates How slower depends on how much your spider does and how well it's written.

Use scrapy-bench for more complex benchmarking.