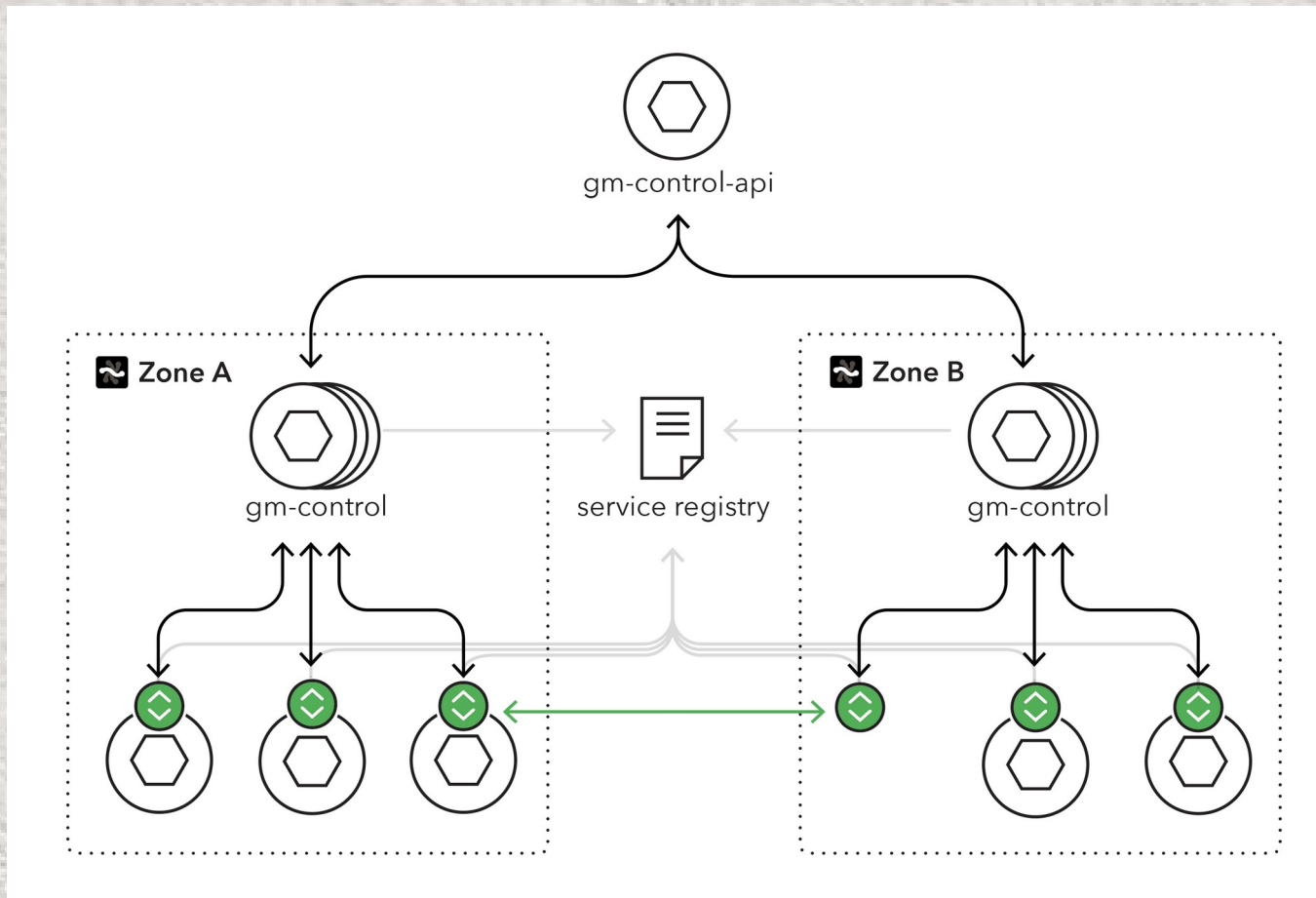
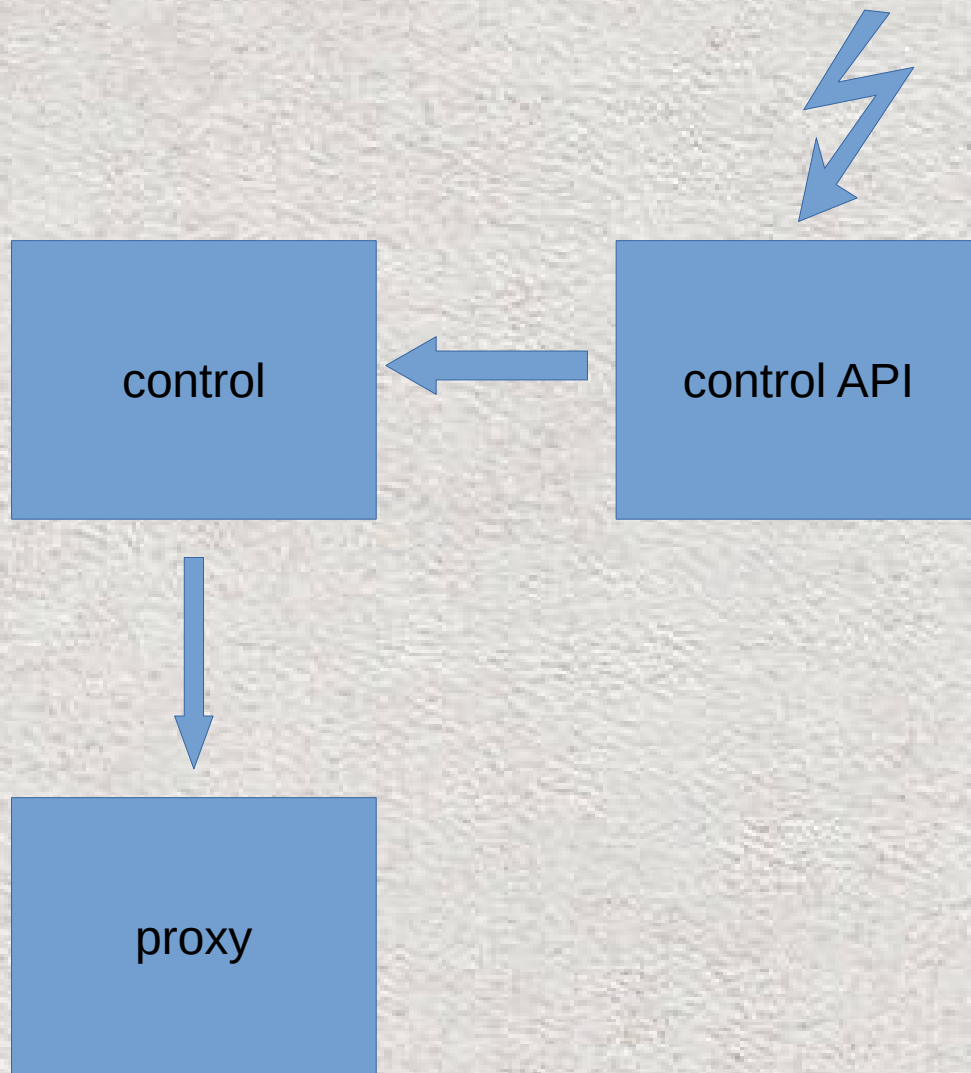


Integration Testing Infrastructure

Grey Matter Dynamic Configuration



The Three Body Problem

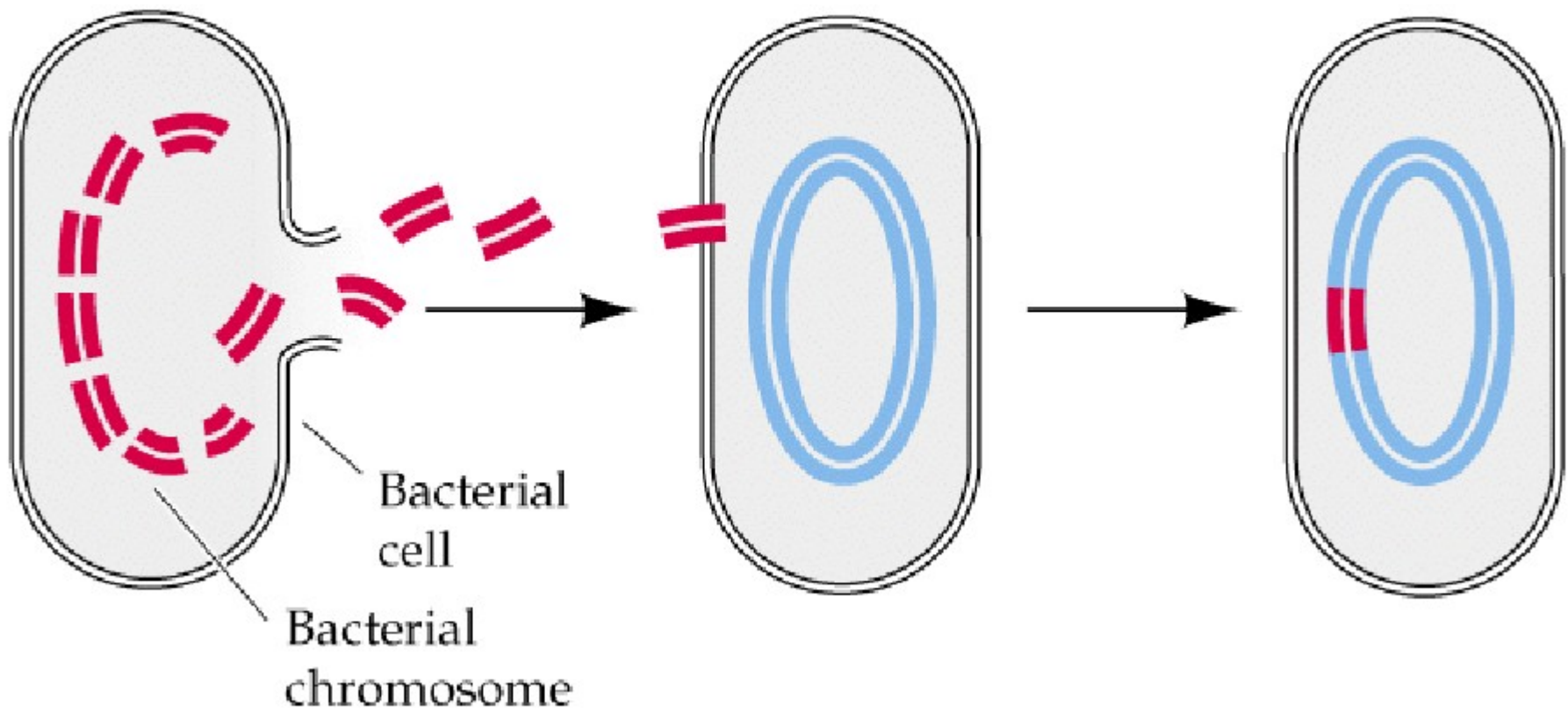


Configuration change: add a metrics filter

```
"gm_metrics": {  
  "metricsPort": 8081,  
  "metricsHost": "0.0.0.0",  
  "metricsDashboardUriPath": "/metrics",  
  "metricsPrometheusUriPath": "/prometheus",  
  "prometheusSystemMetricsIntervalSeconds": 15,  
  "metricsRingBufferSize": 4096,  
  "metricsKeyFunction": "none"  
}
```

Horizontal gene transfer

Transformation



Permission pending from Sinaur Associates, Inc.

Envoy Admin

Command	Description
certs	print certs on machine
clusters	upstream cluster status
config_dump	dump current Envoy configs (experimental)
contention	dump current Envoy mutex contention stats (if enabled)
cpuprofiler	enable/disable the CPU profiler
drain_listeners	drain listeners
healthcheck/fail	cause the server to fail health checks
healthcheck/ok	cause the server to pass health checks
heapprofiler	enable/disable the heap profiler
help	print out list of admin commands
hot_restart_version	print the hot restart compatibility version
listeners	print listener info
logging	query/change logging levels
memory	print current allocation/heap usage
quitquitquit	exit the server
ready	print server state, return 200 if LIVE, otherwise return 503
reset_counters	reset all counters to zero
runtime	print runtime values
runtime_modify	modify runtime values
server_info	print server version/status information
stats	print server stats
stats/prometheus	print server stats in prometheus format
stats/recentlookups	Show recent stat-name lookups
stats/recentlookups/clear	clear list of stat-name lookups and counter
stats/recentlookups/disable	disable recording of reset stat-name lookup names

/config_dump (before)

```
{  
  "@type": "type.googleapis.com/envoy.admin.v3.ListenersConfigDump",  
  "version_info": "4f+IQmOPXhZ/f4e26tAi4Q==",  
  "dynamic_listeners": [  
    {
```

```
      "http_filters": [  
        {  
          "name": "envoy.cors",  
          "typed_config": {  
            "@type": "type.googleapis.com/...filter.http.cors.v2.Cors"  
          }  
        },  
        {  
          "name": "envoy.router",  
          "typed_config": {  
            "@type": "type.googleapis.com/en..filter.http.router.v2.Router",  
            "upstream_log": [  

```


Config dump after

```
"http_filters": [  
  {  
    "name": "envoy.cors",  
    "typed_config": {  
      "@type": "type.googleapis.com/...filter.http.cors.v2.Cors"  
    }  
  },  
  {  
    "name": "gm.metrics",  
    "typed_config": {  
      "@type": "type.googleapis.com/...gm_proxy.filters.MetricsConfig",  
      "metrics_port": 8081,  
      "metrics_host": "0.0.0.0",  
      "metrics_dashboard_uri_path": "/metrics",  
      "metrics_prometheus_uri_path": "/prometheus",  
      "prometheus_system_metrics_interval_seconds": 15,  
      "metrics_ring_buffer_size": 4096,  
      "metrics_key_function": "none"  
    }  
  },  
  {  
    "name": "envoy.router",
```