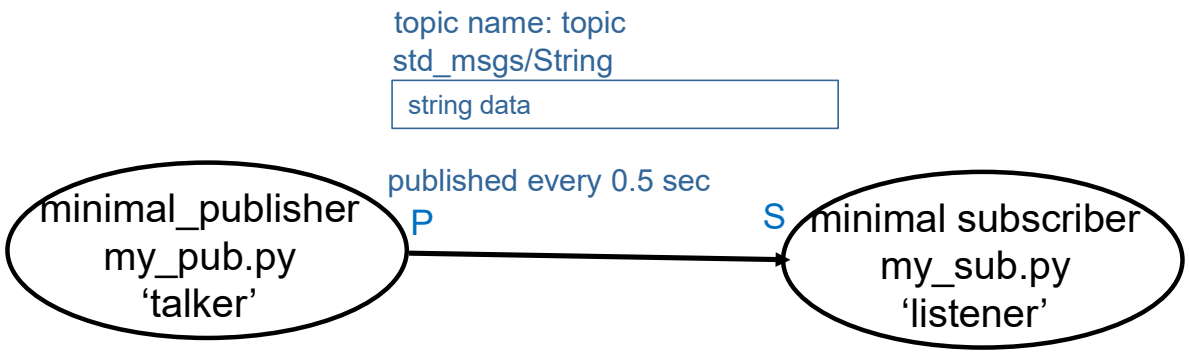
pkg: my_best_pkg (get the tutorial nodes to run)

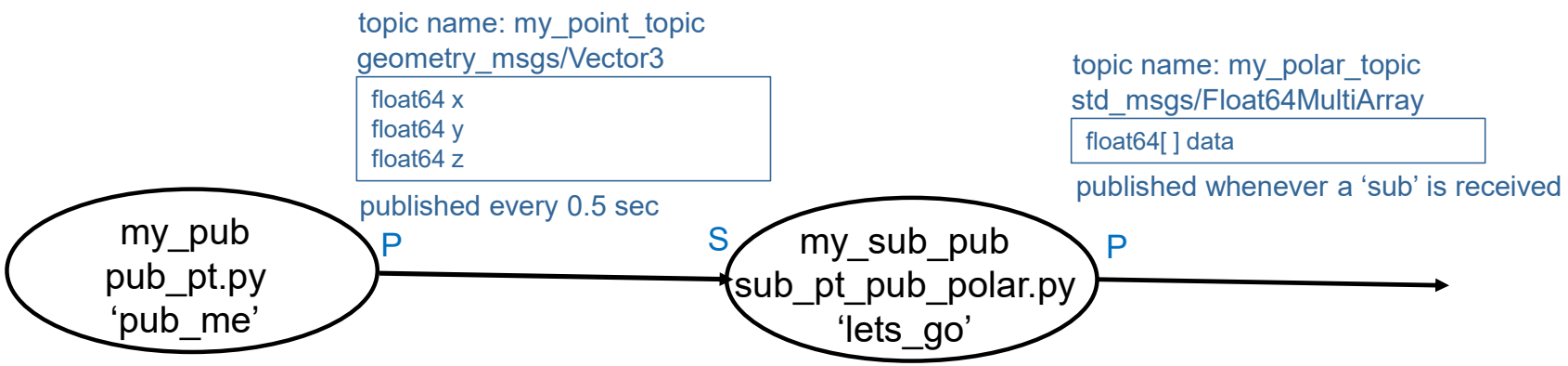


Every 0.5 sec, the string "Hello World: i" is published where i is incremented each time.

Each time a topic is received, the string is printed to the terminal.

node name
python file name
executable name

pkg: my_best_pkg (our own nodes)



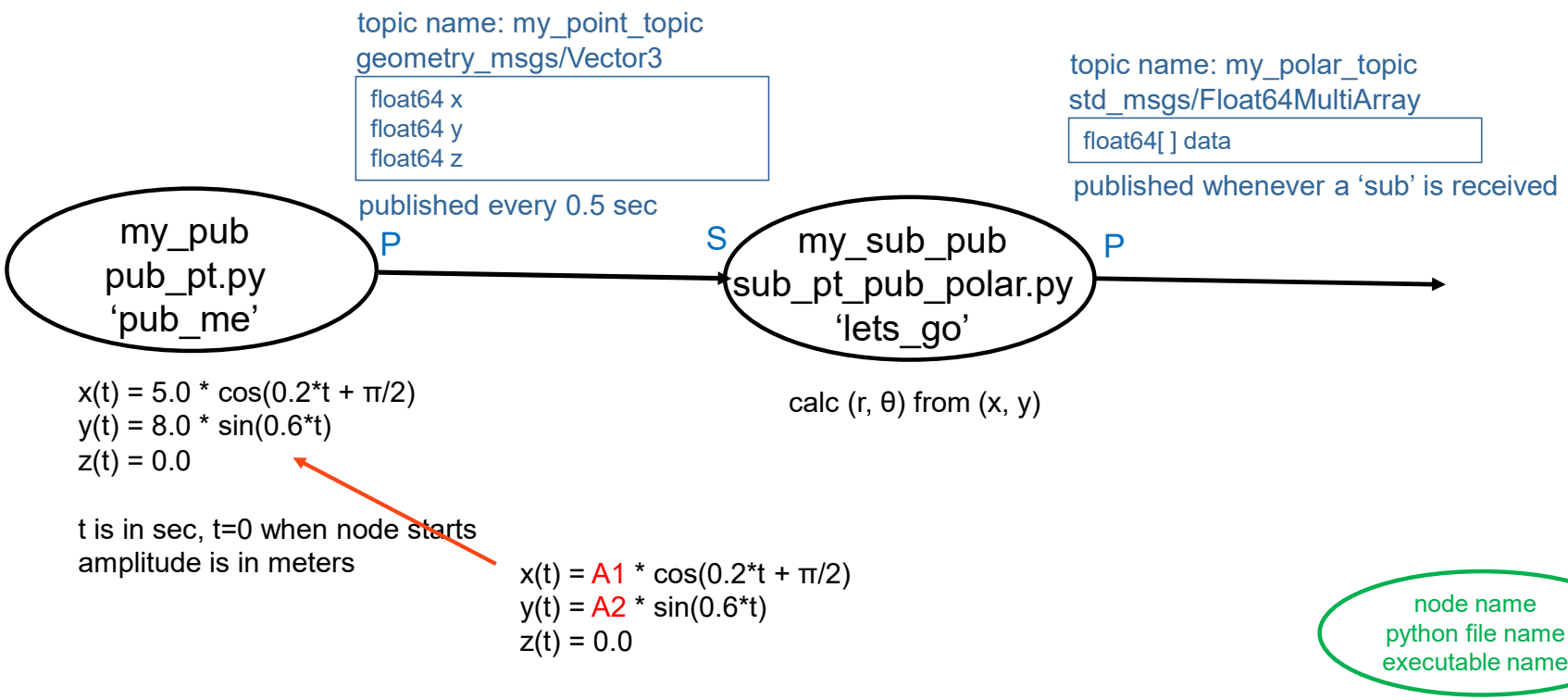
$x(t) = 5.0 * \cos(0.2*t + \pi/2)$
$y(t) = 8.0 * \sin(0.6*t)$
$z(t) = 0.0$

t is in sec, t=0 when node starts
amplitude is in meters

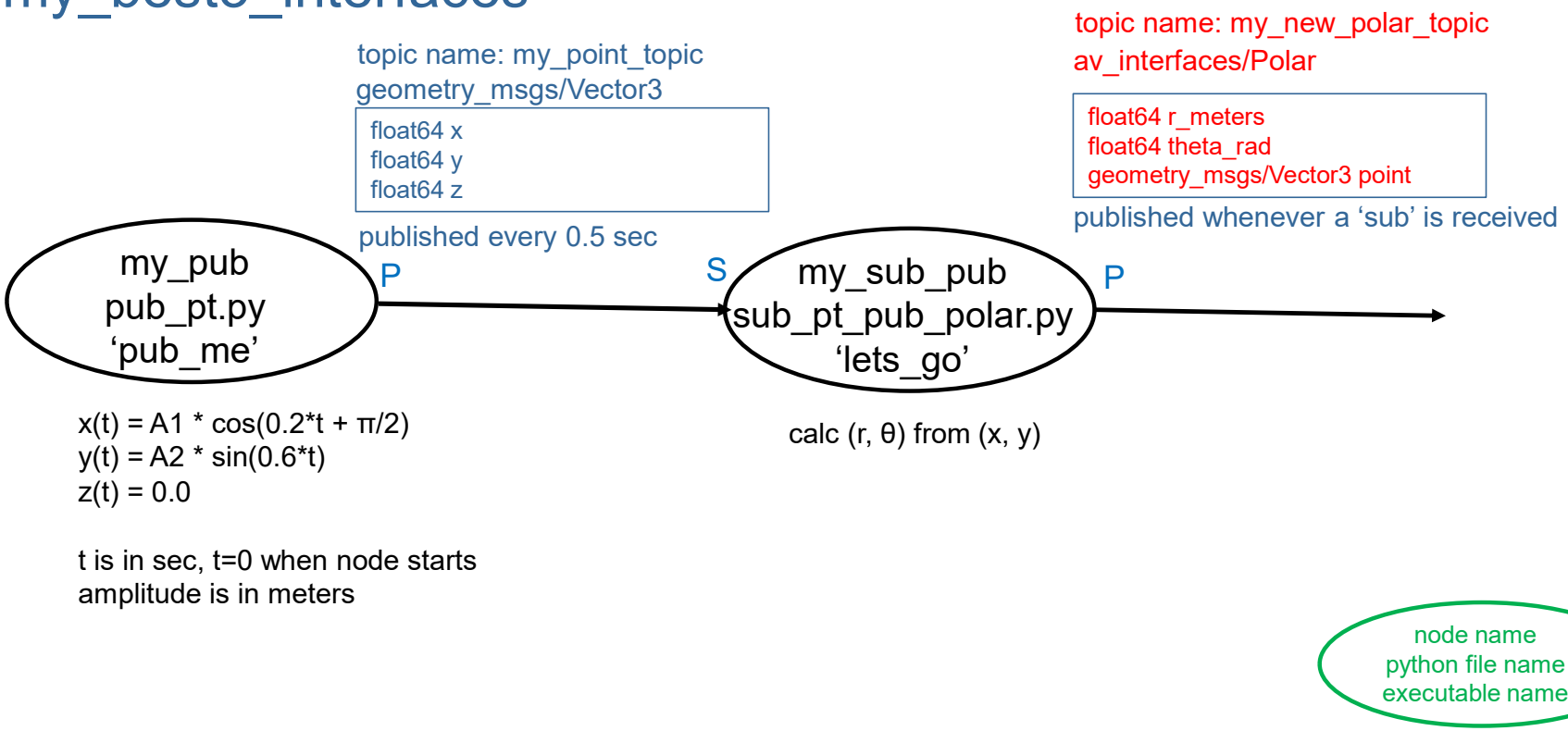
calc (r, θ) from (x, y)

node name
python file name
executable name

pkg: my_best2 (parameters)



pkg: my_best3 (custom messages) my_best3_interfaces



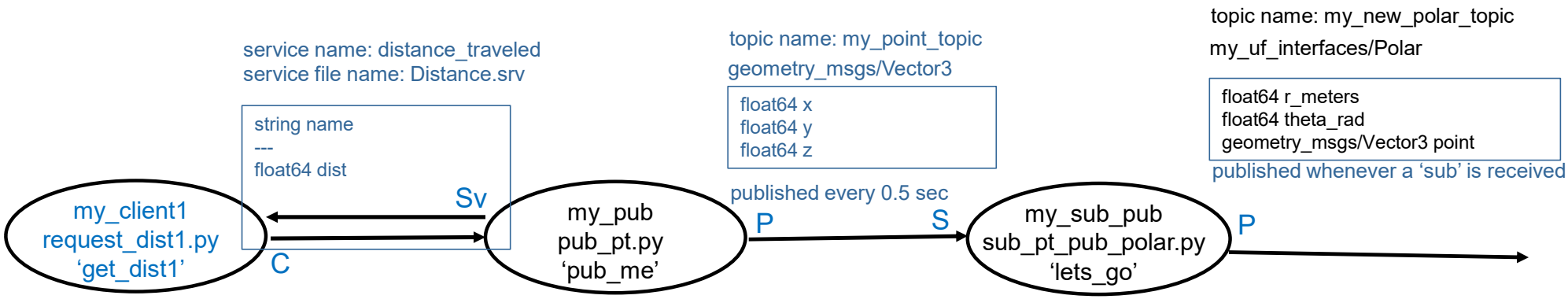
$x(t) = A1 * \cos(0.2*t + \pi/2)$
$y(t) = A2 * \sin(0.6*t)$
$z(t) = 0.0$

t is in sec, t=0 when node starts
amplitude is in meters

calc (r, θ) from (x, y)

node name
python file name
executable name

pkg: my_best4 (add a client/server, request sent one time)
my_best4_interfaces



When I send a request, I will send you my name as a string. Please send back to me the distance traveled since t=0.

I will print this to the screen.

I will send the request once, immediately when my node starts.

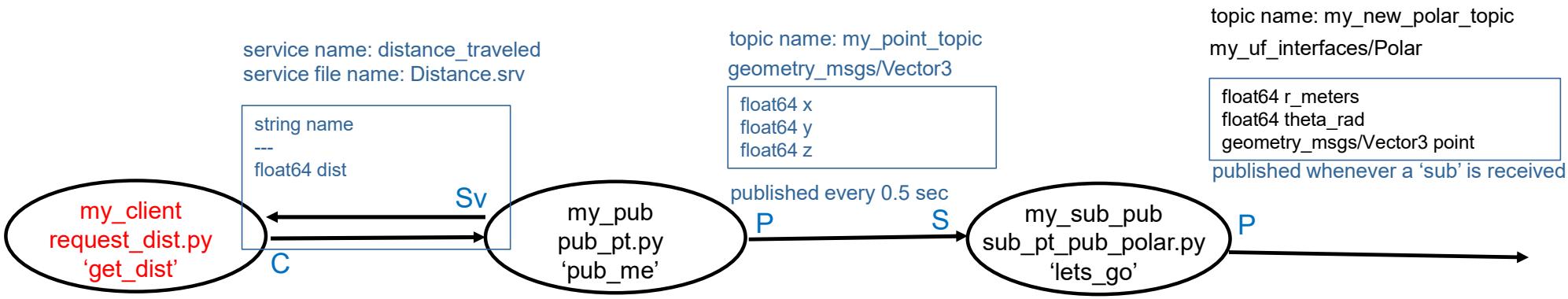
$x(t) = A1 * \cos(0.2*t + \pi/2)$
$y(t) = A2 * \sin(0.6*t)$
$z(t) = 0.0$

t is in sec, t=0 when node starts
amplitude is in meters

calc (r, θ) from (x, y)

node name
python file name
executable name

pkg: my_best4 (add a client/server, request sent every 2 sec)
my_best4_interfaces



When I send a request, I will send you my name as a string. Please send back to me the distance traveled since t=0.

I will print this to the screen.

I will send the request every 2 seconds.

$x(t) = A1 * \cos(0.2*t + \pi/2)$
$y(t) = A2 * \sin(0.6*t)$
$z(t) = 0.0$

t is in sec, t=0 when node starts
amplitude is in meters

calc (r, θ) from (x, y)

node name
python file name
executable name