

## Zadatak A – Rešenje.

Listing1 – *JobServer* implementacija.

```
public class JobServer
{
    private ServiceHost serviceHost;
    // dodati endpoint sa ovim imenom u ServiceDefinition
    private String externalEndpointName = "InputRequest";

    public JobServer()
    {
        RoleInstanceEndpoint inputEndPoint =
RoleEnvironment.CurrentRoleInstance.InstanceEndpoints[externalEndpointName];
        string endpoint = String.Format("net.tcp://{0}/{1}",
inputEndPoint.IPEndpoint, externalEndpointName);
        serviceHost = new ServiceHost(typeof(JobServiceProvider));
        NetTcpBinding binding = new NetTcpBinding();

        serviceHost.AddServiceEndpoint(typeof(IJob), binding, endpoint);
    }

    public void Open()
    {
        try
        {
            serviceHost.Open();
            Trace.TraceInformation(String.Format("Host for {0} endpoint type opened
successfully at {1}", externalEndpointName, DateTime.Now));
        }
        catch (Exception e)
        {
            Trace.TraceInformation("Host open error for {0} endpoint type. Error
message is: {1}. ", externalEndpointName, e.Message);
        }
    }

    public void Close()
    {
        try
        {
            serviceHost.Close();
            Trace.TraceInformation(String.Format("Host for {0} endpoint type closed
successfully at {1}", externalEndpointName, DateTime.Now));
        }
        catch (Exception e)
        {
            Trace.TraceInformation("Host close error for {0} endpoint type. Error
message is: {1}. ", externalEndpointName, e.Message);
        }
    }
}
```

Listing 2 – Implementacija *IJob* interfejsa.

```

NetTcpBinding binding = new NetTcpBinding();
    private string internalEndpointName = "InternalRequest";

    public int DoCalculus(int to)
    {
        Trace.WriteLine(String.Format("DoCalculus method called - interval [1,{0}]",
to.ToString()), "Information");

        int totalSum = 0;

        return totalSum;
    }

```

Listing 3 – Implementacija klijentske konzolne aplikacije

```

NetTcpBinding binding = new NetTcpBinding();

    IJob proxy = new ChannelFactory<IJob>(binding, new
EndpointAddress("net.tcp://localhost:10100/InputRequest")).CreateChannel();

```