1. 动态加载，可以动态加载servlet，filter，listener

示例:

@WebListener  
public class DynRegListener implements ServletContextListener {  
  
 @Override  
 public void contextInitialized(ServletContextEvent servletContextEvent) {  
 ServletContext servletContext = servletContextEvent.getServletContext();  
  
 Servlet firstServlet = null;  
  
 try {  
 firstServlet = servletContext.createServlet(FirstServlet.class);  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
  
 if (firstServlet != null && firstServlet instanceof FirstServlet) {  
 ((FirstServlet) firstServlet).setName("xhsf");  
 }  
  
 ServletRegistration.Dynamic dynamic = servletContext.addServlet("firstServlet", firstServlet);  
 dynamic.addMapping("/dynamic");  
  
 }  
 @Override  
 public void contextDestroyed(ServletContextEvent servletContextEvent) {  
 }  
}

public class FirstServlet extends HttpServlet {  
 private String name;  
 public void setName(String name) {this.name = name;}  
 @Override  
 protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {  
 resp.setContentType("text/html");  
 PrintWriter writer = resp.getWriter();  
 writer.println("<html>First Servlet </html>" + this.name);  
 }  
}

1. Servlet容器加载器（未理解）

示例：

@HandlesTypes(  
 {FirstServlet.class}  
)  
public class MyservletContainerInitializer implements ServletContainerInitializer {  
 @Override  
 public void onStartup(Set<Class<?>> set, ServletContext servletContext) throws ServletException {  
 System.*out*.println("onstartup");  
  
 ServletRegistration registration = servletContext.addServlet("firstServlet", "com.servlet.servlet.FirstServlet");  
 registration.addMapping("/my\_servlet");  
 System.*out*.println("leaving startup");  
  
 }  
}