

## Pod Security Admission Webhook

This directory contains files for a *Validating Admission Webhook* that checks for conformance to the Pod Security Standards. It is built with the same Go package as the Pod Security Admission Controller. The webhook is suitable for environments where the built-in PodSecurity admission controller cannot be used.

For more information, see the Dynamic Admission Control documentation on the Kubernetes website.

### Getting Started

The webhook is available as a Docker image that lives within the SIG-Auth container registry. In addition to the `Dockerfile` for the webhook, this directory also contains sample Kubernetes manifests that can be used to deploy the webhook to a Kubernetes cluster.

### Configuring the Webhook Certificate

Run `make certs` to generate a CA and serving certificate valid for `https://webhook.pod-security-webhook.svc`.

### Deploying the Webhook

Apply the manifests to install the webhook in your cluster:

```
kubectl apply -k .
```

This applies the manifests in the `manifests` subdirectory, creates a secret containing the serving certificate, and injects the CA bundle to the validating webhook.

### Configuring the Webhook

Similar to the Pod Security Admission Controller, the webhook requires a configuration file to determine how incoming resources are validated. For real-world deployments, we highly recommend reviewing our documentation on selecting appropriate policy levels.

### Contributing

Please see the contributing guidelines in the parent directory for general information about contributing to this project.