

kubernetes dashboard配置自签SSL证书

参考: <https://github.com/kubernetes/dashboard/wiki/Installation>

- 1、生成 ssl自签证书
- 2、配置dashboard secret (默认安装dashboard 生成的secret是没有配置证书的)
- 3、web检查

1、生成 ssl自签证书

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2、配置dashboard secret (默认安装dashboard 生成的secret是没有配置证书的)

```
$ mkdir certs ## keycrt

## dashboard.crtdashboard.key,certs
$ ll certs
total 8
-rw-r--r-- 1 root root 2386 Nov 21 14:54 dashboard.crt
-rw----- 1 root root 1675 Nov 21 14:55 dashboard.key

# kubernetes-dashboardkubernetes-dashboard(kubectl delete -f
kubernetes-dashboard.yaml)
# dashboardsecret
$ kubectl create secret generic kubernetes-dashboard-certs
--from-file=/tmp/123 -n kube-system ## 'kubernetes-dashboard-certs'
dashboardsecret kubernetes-dashboardyaml

# secret
$kubectl get secret kubernetes-dashboard-certs -n kube-system -o yaml
apiVersion: v1
data:
  dashboard.crt:
LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSUd0RENDQkp5Z0F3SUJBZ0lDRUFJd0RRWU
pLb1pJaHZjTkFRRUxCUUF3Z2NVeEN6QUUpCZ05WQkFzVEFrTk8KTUVJJd0VBWURWUWVFJREFsSGRX
RnVaMFJ2Ym1jeEtEQWlCZ05WQkFvTUgxTm9aVzU2YUdWdU1GTjFibXhwYm1VZwpWR1ZqYUNCRC
J5NHNJRJGwWkM0eElqQWdCZ05WQkFzTUdWTjFibXhwYm1VZ1NHRnBkR1ZqYUNCRCJ5NHNJRJGw
ClpDNHhNekF4QmdOVk1BTU1LbE4xYm14cGJtVWdTR0ZwZEdWamFDQkpib1JsY201aGJDQk9aWF
IzYjNKck1FRjEKZEodmNtbDBlVEVmTUIwR0NTcUdTSWlZRFFFSkFSWVFIR2wxZWlaQWMzVnVi
R2x1WlM1amJqQWVGdzB4T0RFeApNakF3T0RRd05UTmFGdzB4TlRFeElqQXdPRFF3TlROYU1JRz
VNUNXN3Q1FZRFZRUUdFd0pEVGpFU01CQUdBMVVFckNBd0pSM1ZoYm1kRWIyNW5NUkV3RHdZRFZR
UUhEQWhUYUdWdVdtaGxiakVvTUNZR0ExVUVDZ3dmVTJ0bGJucG8KWlc0Z1UzVnViR2x1WlNCVV
pXTm9JR052TG13Z1RIUmtMakVpTUNBR0ExVUVDd3daVTNWdWJHbHVhU0JJWVdsMApaV05vSUVO
dkxpd2dUSFJRtGpFVU1CSUdBMVVFQXd3TFQwUkRRbE5EVFVOU1ERXhIekFkQmdrcWhraUc5dz
BCCKNRRVdFR3hwZFhwbVFITjFibXhwYm1VdVkyNHdnZ0VpTUEwR0NTcUdTSWlZRFFFQkFRVUFB
```

NElCRHdBd2dnRU sKQW9JQkFRQ3N1TXFaT2gwMjFGQ1lPUVVIRndoVnNkWEL6UjFsbkZnZnpYWF
hoTVJqWm1UeUY1ZWpNZi9IRFNlMap5aGJQY0NGTGRTYWl2YS8xMVFBMW9uWgc3eEJTcItkZlFW
V0ozc1VKandrdm1jVHE0WENGcjhIUdcySEw3Zk1lCmFoVkpXbS95bk5CUThZRVlURjF2Q1gzTm
5KV3Y0dUFQa0ZmaJjCelZVYmxUelRxRkp6Z2VESXUwMzBEZjJKZlIKTkJLczd0bFJ3aVFPbnFO
RWM5SmpMUGpURWxTRlJlIUVB2Mct1Tm1UY3VvMnhLczY5d0VRNU9GM2wvWDNTt3ZTZwpWWUYrMG
hIUUZneFJLenBZNxQ1N3Y0Q1NxCthQ1lndDRLKzBEMERNVUJPOFNtalo5aFVIdm5rWXBc1Zl
dkZmCm5yQW5zaFRkdW1jd2lYa2lDYWJwWEZPZmtJSnJBZ01CQUFHmdnRzJNSU1Cc2pBSkJnTl
ZIUK1FQWpBQU1CRUCkQ1dDR1NBR0crRu1CQVFRUF3SudRREF6QmdsZ2hrZ0JodmhDQVEwRUpo
WWtUM0JsYmxOVFRDQkhaVzVsY2lGMApaV1FnVTJWeWRtVn1JRU5sY25ScFptbGpZWfJstUIwR0
ExVWREZ1FXQkJSWlZjdZnZWtms4eE0wL3NwODJXQ1JPcK1fWnErVENCOHdZRFZSMGpCSUhyTUlI
b2dCUzIxUW9QbGtSZFo0Y2tzmFJ4eUd2N3lFZXBJS0dCeTzTQnlEQ0IKeFRFTe1Ba0dBMMVVFQm
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Wlc0eEtEQW1CZ05WQkFvTUgxTm9aVzU2YUdWdUlGTjFibXhwYmlVZlZHVmphQ0JEYnk0c0lFeD
BaQzR4Ck1qQWdCZ05WQkFzTUdWTjFibXhwYmlVZlNHRnBkRlZqYUNCRGJ5NHNJRjXgWkM0eEle
QWVCZ05WQkFNTUYxTjEKYm14cGJtVwdTR0ZwZEdWamFDQlNiMjkwSUVQK1SOHdIUv1KS29aSW
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cDEvOWZlRXRqNy9xVmFZU3JDa1M1RjZVeUZBNEY2UThhYjVrYi9aTUNmYy9qdjFXTowMgppjYi
tDRmx4SmpTQjByVzluNERQQmElTEJHVHozVG45M0EvVlVKc2dsRzI3S2Q2aXVLY0pSZHpNcktP
aWWS1ZqClUyVUXBW5UeDNES2JtRtFDS2oxbzdZRHExcUJRejVLUTFoRHNyWdkvT0NkK0tBeG
xRa1B2QmdFZnRJS3EybksKdlRpRj1FTWdPbDZwMjZPZmI0NWhDYjk3b09hbXdlVDBXQ1pxMwVH
WnZNHVrLzA4OUExTkJ0SVovTEdxd3BPRwpmTjY5bWNCWk12RTlJMTdndXZwcm9hcDZPYVgreE
IrUGprRG1ld0FPZTdZzkk2b2NUUGFQcis2VEU5TWlUVEQyClDJOWVfY3RFM1VqTGU1bExJVVBV
RjBiZXNockNjb2oxS3I5cytqcFdVZzlUVEdsN2FUN0FycHl0bEFoVEpGSU8KQzhUb3krYXY0Nk
FCQ1g5Vjk0TXBLNfc5QkVtb254Tly2UVprL2FiVjIwR3pxZkZadGVsM0RDMGRsQTLVQTlmdgppF
alVmYnZmQnU5TlU2TkNGTTI0SXhrYy94dGluRllYb3B6bzJKZDh0QnNHEhZNgp5Q21WczdJQ1
ZsMTJURGJxCKYzUVNaTzZ5YnV6UjAvT0JyRUo5MjRtaWRlblFvb2VTQUZpZGZCeFhrSTA1QUZP
ZFA4M1hsRERQRfJxM25WbSsKZ3pTZWJpWd1HcEw1RU56dk9mMHRGcUd1K3BGQnZLaTJfVmVHZn
ZZckdzT3VSVWx5OFJEeVvZzZFuTnBVMUpLagp0aTB0dlNNZ2kwQ1N3MExwSERDcUdJci93cDJh
aTgyNzhDanEzM1NWSTN3Q1J3dlRwL1JYdmc9PQotLS0tLUVORCBDRVJUSUZJQ0FURS0tLS0tCg
==

dashboard.key:

LS0tLS1CRUdJTiBSU0EgUFJJVkFURSBLRVktLS0tLQpNSU1Fb3dJQkFBS0NBUEVBckxqs21Ub2
ROdFJRbURrRkY4Y0lWYkhWeU0wZFpaeFRIODYxMTRURVkyWms4aGVYcm96SC94dzBudElvV3oz
QWhTM1VtchIYdjlkVUFOYUoxNE84UVVxL25YMEZWaWQ3RkNZOEpmNG5FNnVgd2hhL0IKeis5aH
krM3pIbW9WU2Fwdjhwe1FVUEdCR0V4ZGJ3bDl6WnlWc1tMZ0Q1Q1g0OWdjMVZHNvU4MDZoU2M0
SGd5TAp0Tj1BMzlpWDBUUVNyTzdaVWNJa0RwNmpSSFBTWXl6NDB4SlVoVVIwRdC5UG5qWwszTH
FOc1NyT3ZjQkVPVghkCjVmMtk1anIwb0ZXQmZ0SVIwQ1lNVVNZnldPYmVlNytBa3FrL21nV0lM
ZUN2dEE5QXpGQVR2RXBwR2ZZVki3NTUKR0tnTEZicnhYNTZ3SjdJVTNicG5NSnE1SWdtbTZWeF
RuNUNDYXdJREFRQUJbB0lCQUVKOFeyag1DVmJRdFZGVApLWTlJRzJvNU1TekJYOTU4SlRjcUw2
OE5LVGVGODdlSXcxTUxiUVNuR0xDcjFjbJF4S3N5SmpXcThLkzFWUVpRC1NnWFnvRHJrQVRfV2
lpR3ZBYk9qUG9yeEFqN1RscWV2TnZDZW1jdVJCYk9nYkI5V0h3K0pzMXBsRENkwlJlSDMKQ2xq
NlBGaGZBWMfjSG1qVENJNUlqZ2tuQjY2Mi95V2VOMU1kOWl6d3JNeGRDcEk5aFpWbzhoe0E9rc1
hlyTl4YQo2NzQxdHdSOUZhrXpiZG1ORXhPTHizY1d6K3FQdE52SXNVmNzFVWf2WUNLOUzuUfkl
OEpQUctrQjC5eFFjQn1OC1lRMXNUZUM5bGtuQmdVa3BKNHU1NmFPN1RUVnNST00bHNZThd6M1
Vjc20yK1dvQ1psK1fZUGNHMVRBb2VjdFAKVl1lWGZDRUNnWUVBMWxRTlRQZUpHYnJ4SS9QMDY0
aDlBS05ES0Y3TTZkc2lXdkpjZ0ZKYzk1SWNUNnRsRj1CNggpN2Jvalg5dWvubWsreWxLelhldW
YrSjRCUks5bVZWNgkwMnozNTZnbC9MU1hjVfllUmlXSWwvSTRvTHNaeWg5CisxZ3VKNVJCWjFq
L1ZKY09pZzl1Y0g0M09BYlCWtmVxdEp5bTVYQ0N6Z0dQRkp40ThKemthUEVDZl1fQXprM1IKL2
FoekI5N1VldHUzUzBhcGoxZ0FicENndU5RVGppqUmdQQUtUZWlJTWpJYkRZVfVfDGP2TmPPZXZG
ZzVPZE8vRAppb0F2YldYNTJQNUYzcDBpMG9PN3FwUTRwckxxxUtxclYrLzBCS0R0c2s3OGZobe
1VZENnSmVHTWU2N2RpcElFCm8xRW9hWfQQRXJ6VXRVS1RHNnpqdWJEKzEwY2EzaF1lUeDRWwds

```
c0NnWUVBaGFioUUVbjR3TmJXclBqY2JsUTYKdno4UURnaXY5OVQxWWhsb25ZeSs5Sk5rbkRuaF
hLeGhBVldxT2JFaGo3WnpyenZjcmF4SVlPODBzTlV5N29LQQpVVD2UU8rR2JicTzmRWJZUnd3
eGwxWHJ5M1NoUHVMOVROTjhWS29hN3ZlTW5ZOWxQYXF4ZmZEM05qVHRtR1lrCnlXUTJuelUrSE
lEVVhLSUoxeFcvU2NFQ2dZQVBEbkRuOFZaTDJidkRFMndDSzJzT2toN1lISGdPWlRQMEtmQm8K
RU13UW10R05vL3c0YVBVcUU1MUJ6bHJoNGpOcHAySC9Cckh2dGNDU1RLVnV4TXNZMEJKdk5aZl
kybs96MVZqaAo5eG8lQ0Vhd3hNRDZ0di94N0tiemZNMlM3VVV2NnM0NTJSOTQ3R3JhdER0VjYw
RHZRUIB4bG5CUzU5YVhKTWxGCkVRMFV4d0tCZ0RsVU1LUWlyL2liZ3lOWVdodkF0dEdtL3ptdG
g0UjlrZkF6UWpmTHZzYU8lUElDMStjcUtdbEsKU1VncldURW5Neml5NmRqREFLeHdmNGVCcEtt
aXczWjJsZ3gxc2RCdWFOaUh0M3ZQWU1GU1NYUWE3NEpkN1VtdQpraUdTMkRjNkVsOEd3cEZ5RF
ZUb04vcjM2dzdnUHBVRkprTXluQ3REQ3pzTUxzV1YleFl1Ci0tLS0tRU5EIFJTQSBQUklWQVRF
IEtFWS0tLS0tCg==
```

kind: Secret

metadata:

annotations:

kubectl.kubernetes.io/last-applied-configuration: |

```
{"apiVersion":"v1","kind":"Secret","metadata":{"annotations":{},"labels":{"k8s-app":"kubernetes-dashboard"},"name":"kubernetes-dashboard-certs","namespace":"kube-system"},"type":"Opaque"}
```

creationTimestamp: 2018-11-21T07:18:29Z

labels:

k8s-app: kubernetes-dashboard

name: kubernetes-dashboard-certs

namespace: kube-system

resourceVersion: "478095"

selfLink:

/api/v1/namespaces/kube-system/secrets/kubernetes-dashboard-certs

uid: a5094015-ed5d-11e8-a19a-005056895da2

```
type: Opaque
```

3、web检查

- 3.1 在浏览器访问kubernetes dashboard的页面查看是否可以正常访问
- 3.2 查看页面的标识是否为可信任

