```
apiVersion: v1
kind: Pod
metadata:
  name: nginx
  labes:
spec:
```

- **activeDeadlineSeconds** <integer>
  Optional duration in seconds the pod may be active on the node relative to StartTime before the system will actively try to mark it failed and kill associated containers. Value must be a positive integer.

- **affinity** <Object>
  If specified, the pod's scheduling constraints
  Affinity is a group of affinity scheduling rules.
  - **nodeAffinity** <Object>
    Describes node affinity scheduling rules for the pod.
  - **podAffinity** <Object>
    Describes pod affinity scheduling rules (e.g. co-locate this pod in the same node, zone, etc. as some other pod(s)).
  - **podAntiAffinity** <Object>
    Describes pod anti-affinity scheduling rules (e.g. avoid putting this pod in the same node, zone, etc. as some other pod(s)).

- **automountServiceAccountToken** <boolean>
  AutomountServiceAccountToken indicates whether a service account token should be automatically mounted.

- **containers** <[]Object> -required-
  List of containers belonging to the pod. Containers cannot currently be added or removed. There must be at least one container in a Pod. Cannot be updated

- **dnsConfig** <Object>
  Specifies the DNS parameters of a pod. Parameters specified here will be merged to the generated DNS configuration based on DNSPolicy.

- **dnsPolicy** <string>
  Set DNS policy for the pod. Defaults to "ClusterFirst".

- **enableServiceLinks** <boolean>
  EnableServiceLinks indicates whether information about services should be injected into pod's environment variables, matching the syntax of Docker links. Optional: Defaults to true.

- **ephemeralContainers** <[]Object>
  List of ephemeral containers run in this pod. Ephemeral containers may be run in an existing pod to perform user-initiated actions such as debugging.

- **hostAliases** <[]Object>
  HostAliases is an optional list of hosts and IPs that will be injected into the pod's hosts file if specified. This is only valid for non-hostNetwork pods.

- **hostIPC** <boolean>
  Use the host's ipc namespace. Optional: Default to false.

- **hostNetwork** <boolean>
  Host networking requested for this pod. Use the host's network namespace. If this option is set, the ports that will be used must be specified. Default to false.

- **hostPID** <boolean>
  Use the host's pid namespace. Optional: Default to false.

- **hostname** <string>
  Specifies the hostname of the Pod If not specified, the pod's hostname will be set to a system-defined value.

- **imagePullSecrets** <[]Object>
  ImagePullSecrets is an optional list of references to secrets in the same namespace to use for pulling any of the images used by this PodSpec. I

- **initContainers** <[]Object>
  List of initialization containers belonging to the pod. Init containers are executed in order prior to containers being started. If any init container fails, the pod is considered to have failed and is handled according to its restartPolicy.

- **nodeName** <string>
  NodeName is a request to schedule this pod onto a specific node. If it is non-empty, the scheduler simply schedules this pod onto that node, assuming that it fits resource requirements.

- **nodeSelector** <map[string]string>
  NodeSelector is a selector which must be true for the pod to fit on a node. Selector which must match a node's labels for the pod to be scheduled on that node.

- **overhead** <map[string]string>
  Overhead represents the resource overhead associated with running a pod for a given RuntimeClass.

- **preemptionPolicy** <string>
  PreemptionPolicy is the Policy for preempting pods with lower priority. One of Never, PreemptLowerPriority. Defaults to PreemptLowerPriority if unset. This field is beta-level, gated by the NonPreemptingPriority feature-gate.

- **priority** <integer>
  The priority value. Various system components use this field to find the priority of the pod. When Priority Admission Controller is enabled, it prevents users from setting this field. The admission controller populates this field from PriorityClassName. The higher the value, the higher the priority.

- **priorityClassName** <string>
  If specified, indicates the pod's priority. "system-node-critical" and "system-cluster-critical" are two special keywords which indicate the highest priorities with the former being the highest priority.

- **readinessGates** <[]Object>
  If specified, all readiness gates will be evaluated for pod readiness. A pod is ready when all its containers are ready AND all conditions specified in the readiness gates have status equal to "True" More info: https://git.k8s.io/enhancements/keps/sig-network/0007-pod-ready%2B%2B.md

- **restartPolicy** <string>
  Restart policy for all containers within the pod. One of Always, OnFailure, Never. Default to Always. More info: https://kubernetes.io/docs/concepts/workloads/pods/pod-lifecycle/#restart-policy

- **runtimeClassName** <string>
  RuntimeClassName refers to a RuntimeClass object in the node.k8s.io group, which should be used to run this pod.

- **schedulerName** <string>
  If specified, the pod will be dispatched by specified scheduler. If not specified, the pod will be dispatched by default scheduler.

- **securityContext** <Object>
  SecurityContext holds pod-level security attributes and common container settings. Optional: Defaults to empty. See type description for default values of each field.
  - runAsGroup <integer>
  - runAsNonRoot <boolean>
  - runAsUser <integer>

- **serviceAccount** <string>
  DeprecatedServiceAccount is a depreciated alias for ServiceAccountName. Deprecated: Use serviceAccountName instead.

- **serviceAccountName** <string>
  ServiceAccountName is the name of the ServiceAccount to use to run this pod.

- **terminationGracePeriodSeconds** <integer>
  Optional duration in seconds the pod needs to terminate gracefully. May be decreased in delete request. Value must be non-negative integer. The value zero indicates delete immediately.

- **volumes** <[]Object>
  List of volumes that can be mounted by containers belonging to the pod.