Arkade
https://github.com/alexellis/arkade
The Open Source Marketplace for Kubernetes

> Note: you can also run without `sudo` and move the binary yourself

curl -sLS https://get.arkade.dev | sudo sh

> a handy alias
arkade --help
ark --help

> Windows users with Git Bash
curl -sLS https://get.arkade.dev | sh

arkade get   // Install 84 cloud native apps

```
1. argocd - Declarative,GitOps Continuous Delivery Tool for Kubernetes
2. argocd-autopilot - An opinionated way of installing Argo-CD and managing GitOps repositories.
3. arkade - Portable Marketplace for downloading your favourite devops CLIs and installing helm charts
   with a single command
4. autok3s - Run Rancherlab's lightweight kubernetes distribution k3s everywhere
5. buildx - Docker CLI plugin for extended build capabilities with Buildkit
6. caddy - Caddy is an extensible server platfrom that uses TLS by default
7. Civo - CLI for interacting with your Civo Resources
8. clusterctl - The clusterctl CLI tool handles the lifecycle of a Cluster API management cluster
9. cosign - Container Signing, Verification and Storage in an OCI registry.
10. dagger - A portable devkit for CI/CD pipelines.
11. devspace - Automate your deployment workflow with DevSpace and develop software directly inside Kubernetes.
12. dive - A tool for exploring each layer in a docker image
13. docker-compose - Define and run multi-container applications with Docker.
14. doctl - Official command line interface for the DigitalOcean API.
15. eksctl - Amazon EKS Kubernetes cluster management
16. faas-cli - Official CLI for OpenFaaS
17. flux - Continuous Delivery solution for Kubernetes powered by Gitops Toolkit
18. gh - GitHub's official command line tool.
19. goreleaser - Deliver Go binaries as fast and easily as possible
20. helm - The Kubernetes Package Manager: Think of it like apt/yum/homebrew for Kubernetes.
21. helmfile - Deploy Kubernetes Helm Charts
22. hey - Load testing tool
23. hostctl - Dev tool to manage /etc/hosts like a pro!
24. hugo - Static HTML and CSS website generator.
25. influx - InfluxDB's command line interface (influx) is an interactive shell for the HTTP API.
26. inlets-pro - Cloud Native Tunnel for HTTP and TCP traffic.
27. inletsctl - Automates the task of creating an exit-server (tunnel server) on public cloud infrastructure.
28. istioctl - Service Mesh to establish a programmable, application-aware network using the Envoy service proxy.
29. jq - jq is a lightweight and flexible command-line JSON processor
30. k0s - Zero Friction Kubernetes
31. k0sctl - A bootstrapping and management tool for k0s clusters
32. k10multicluster - Multi-cluster support for K10
33. k10tools | Tools for evaluating and debugging K10.
34. k3d - Helper to run Rancher Lab's k3s in Docker.
35. k3s - Lightweight Kubernetes
36. k3sup - Bootstrap Kubernetes with k3s over SSH < 1 min.
37. k9s - Provides a terminal UI to interact with your Kubernetes clusters.
38. kail - Kubernetes log viewer.
39. kanctl - Framework for application-level data management on Kubernetes.
40. kgctl - A CLI to manage Kilo, a multi-cloud network overlay built on WireGuard and designed for Kubernetes.
41. kim - Build container images inside of Kubernetes. (Experimental)
42. kind - Run local Kubernetes clusters using Docker container nodes.
43. kops - Production Grade K8s Installation, Upgrades, and Management.
44. krew - Package manager for kubectl plugins.
45. kube-bench - Checks whether Kubernetes is deployed securely by running the checks documented in the CIS K8s Benchmark.
46. kubebuilder - Framework for building Kubernetes APIs using custom resource definitions (CRDs)
47. kubecm - Easier management of kubeconfig
48. kubectl - Run commands against Kubernetes clusters
49. kubectx - Faster way to switch between clusters.
50. kubens - Switch between Kubernetes namespaces smoothly.
51. kubescape - kubescape is the first tool for testing if Kubernetes is deployed securely as defined in Kubernetes
    Hardening Guidance by to NSA and CISA
52. kubeseal - A Kubernetes controller and tool for one-way encrypted Secrets
53. kubestr - Kubestr discovers, validates and evaluates your Kubernetes storage options.
54. kubetail - Bash script to tail Kubernetes logs from multiple pods at the same time.
55. kumactl - kumactl is a CLI to interact with Kuma and its data
56. kustomize - Customization of kubernetes YAML configurations
57. linkerd2 - Ultralight, security-first service mesh for Kubernetes.
58. mc - MinIO Client is a replacement for ls, cp, mkdir, diff and rsync commands for filesystems and object storage.
59. metal - Official Equinix Metal CLI
60. minikube - Runs the latest stable release of Kubernetes, with support for standard Kubernetes features.
61. mkcert - A simple zero-config tool to make locally trusted development certificates with any names you'd like.
62. nats - Utility to interact with and manage NATS.
63. nerdctl - Docker-compatible CLI for containerd, with support for Compose
64. nova - Find outdated or deprecated Helm charts running in your cluster.
65. oh-my-posh - A prompt theme engine for any shell that can display kubernetes information.
66. opa - General-purpose policy engine that enables unified, context-aware policy enforcement across the entire stack.
67. osm - Open Service Mesh uniformly manages, secures, and gets out-of-the-box observability features.
68. pack - Build apps using Cloud Native Buildpacks.
69. packer - Build identical machine images for multiple platforms from a single source configuration.
70. polaris - Run checks to ensure Kubernetes pods and controllers are configured using best practices.
71. popeye - Scan live Kubernetes cluster and reports potential issues with deployed resources and configurations.
72. porter - With Porter you can package your application artifact,tools, etc. as a bundle that can distribute and install.
73. rekor-cli - Secure Supply Chain - Transparency Log
74. sops - Simple and flexible tool for managing secrets
75. stern - Multi pod and container log tailing for Kubernetes.
76. terraform - Infrastructure as Code for major cloud providers.
77. tfsec - Security scanner for your Terraform code
78. tilt - A multi-service dev environment for teams on Kubernetes.
79. tkn - A CLI for interacting with Tekton.
80. trivy - Vulnerability Scanner for Containers and other Artifacts, Suitable for CI.
81. vagrant - Tool for building and distributing development environments.
82. vcluster - Create fully functional virtual Kubernetes clusters - Each vcluster runs inside a namespace of the
    underlying k8s cluster.
83. waypoint - Easy application deployment for Kubernetes and Amazon ECS
84. yq - Portable command-line YAML processor.
```

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Learn Quickly and Contribute Your Favourite CloudNative Tool To arkade

here is example one of tool - https://github.com/tenable/terrascan

append your tool with dyanamic templating you will find lot of examples here to learn :- https://github.com/alexellis/arkade/blob/master/pkg/get/tools.go

```go
tools = append(tools,
    Tool{
        Owner: "tenable",
        Repo: "terrascan",
        Name: "terrascan",
        Description: "Detect compliance and security violations across Infrastructure as Code.",
        BinaryTemplate: `
        {{$osStr := ""}}
        {{ if HasPrefix .OS "ming" -}}
        {{$osStr = "Windows"}}
        {{- else if eq .OS "linux" -}}
        {{$osStr = "Linux"}}
        {{- else if eq .OS "darwin" -}}
        {{$osStr = "Darwin"}}
        {{- end -}}
        {{$archStr := .Arch}}
        {{- if eq .Arch "aarch64" -}}
        {{$archStr = "arm64"}}
        {{- else if eq .Arch "x86_64" -}}
        {{$archStr = "x86_64"}}
        {{- end -}}
        {{.Name}}_{{slice .Version 1}}_{{$osStr}}_{{$archStr}}.tar.gz`,
    })

    return tools
}
```

write unit test for above tool :- https://github.com/alexellis/arkade/blob/master/pkg/get/tools.go

```go
func Test_DownloadTerrascan(t *testing.T) {
    tools := MakeTools()
    name := "terrascan"

    tool := getTool(name, tools)

    tests := []test{
        {
            os: "darwin",
            arch: arch64bit,
            version: "v1.11.0",
            url: `https://github.com/tenable/terrascan/releases/download/v1.11.0/terrascan_1.11.0_Darwin_x86_64.tar.gz`,
        },
        {
            os: "darwin",
            arch: archARM64,
            version: "v1.11.0",
            url: `https://github.com/tenable/terrascan/releases/download/v1.11.0/terrascan_1.11.0_Darwin_arm64.tar.gz`,
        },
        {
            os: "linux",
            arch: arch64bit,
            version: "v1.11.0",
            url: `https://github.com/tenable/terrascan/releases/download/v1.11.0/terrascan_1.11.0_Linux_x86_64.tar.gz`,
        },
        {
            os: "linux",
            arch: archARM64,
            version: "v1.11.0",
            url: `https://github.com/tenable/terrascan/releases/download/v1.11.0/terrascan_1.11.0_Linux_arm64.tar.gz`,
        },
        {
            os: "ming",
            arch: arch64bit,
            version: "v1.11.0",
            url: `https://github.com/tenable/terrascan/releases/download/v1.11.0/terrascan_1.11.0_Windows_x86_64.tar.gz`,
        },
    }

    for _, tc := range tests {
        t.Run(tc.os+" "+tc.arch+" "+tc.version, func(r *testing.T) {
            got, err := tool.GetURL(tc.os, tc.arch, tc.version, false)
            if err != nil {
                t.Fatal(err)
            }
            if got != tc.url {
                t.Errorf("want: %s, got: %s", tc.url, got)
            }
        })
    }
}
```

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