

# Docker Registry clean up

- registry تمامی پلن ت هب delete ندرک ه فاضا
- فذح ل باق یاه چی میا ندرک کچ ت پی ر ک سا ی ارجا
- ی فاضا یاه چی میا ندرک کاپ

# ه ب delete ندرک ه فاضا

## registry تامیظنت

میوش نئمطم نآ رد delete دروم ندوب زا ات مینک هدهاشم ار registry هیلوا تامیظنت ادتبا رد

```
docker exec registry cat /etc/docker/registry/config.yml
```

مینکیم دییات ار ریز دروم دوج و

```
storage:
  delete:
    enabled: true
```

دریگب رارق یرتسیچر رنیتناک تامیظنت تمسق رد دیاب تشادن دوج و دروم نیا هک یتروص رد  
میهد ماجنا ار ریز دراوم دیاب راک نیا یارب

```
docker exec -it registry sh
vi /etc/docker/registry/config.yml
```

دینک ه فاضا ار ریز تمسق تامیظنت رد

```
storage:
  delete:
    enabled: true

# EXAMPLE
version: 0.1

storage:
  filesystem:
    rootdirectory: /var/lib/registry
  delete:
    enabled: true

http:
  addr: :5000
```

```
docker restart registry
```

# نادرک کچ تپیرکسا یارجا فدح لباق یاه جیمیا

مینکیم داچیا ارزاین دروم یاه لیاف ادتبا

```
mkdir -p /opt/registry-retention

cat > /opt/registry-retention/registry-retention.conf <<' EOF'
# Registry API protocol
REGISTRY_SCHEME="http"

# Registry address
REGISTRY_ADDRESS="10.10.10.99: 5000"

# Local Docker Registry container name
REGISTRY_CONTAINER="registry"

# Repository storage path INSIDE the Registry container
REGISTRY_REPOSITORIES_PATH="/var/lib/registry/docker/registry/v2/repositories"

# Keep the latest N unique image digests per repository
KEEP_LAST=2

# Detailed dry-run report
REPORT_FILE="/opt/registry-retention/registry-retention-report.tsv"

# Optional Registry Basic Authentication
# Leave empty if authentication is not enabled
REGISTRY_USERNAME=""
REGISTRY_PASSWORD=""

# Used by Registry garbage collection
REGISTRY_IMAGE="registry: latest"

# Registry storage source mounted at /var/lib/registry
# For a named Docker volume:
```

```
REGISTRY_STORAGE_SOURCE="rke-registry"

# Registry config file on the HOST
REGISTRY_CONFIG_HOST="/etc/docker/registry/config.yml"
EOF

chmod 600 /opt/registry-retention/registry-retention.conf
```

می‌دهیم ری‌ی‌غ‌ت دوخ یرت‌سی‌چ‌ر تا‌ع‌ال‌طا‌س‌ا‌ر‌ب‌ا‌ر‌د‌را‌وم‌ن‌ی‌ا

ا‌ر‌ج‌ا‌ا‌ر‌ر‌ی‌ز‌ت‌پ‌ی‌ر‌ک‌س‌ا‌ا‌د‌ت‌ب‌ا‌ی‌ر‌ت‌سی‌چ‌ر‌ر‌د‌ف‌ذ‌ح‌ل‌ب‌ا‌ق‌ی‌ا‌ه‌ج‌ی‌م‌ی‌ل‌م‌ا‌ک‌ش‌ر‌ا‌ز‌گ‌ن‌ت‌ف‌ر‌گ‌ی‌ا‌ر‌ب‌:  
م‌ی‌ن‌ک‌ی‌م‌:

```
cat > /opt/registry-retention/registry-retention-dry-run.sh <<' EOF'
#!/usr/bin/env bash

set -euo pipefail

SCRIPT_DIR="$( cd -- "$(dirname -- "${BASH_SOURCE[0]}")" && pwd )"
CONFIG_FILE="${CONFIG_FILE:-${SCRIPT_DIR}/registry-retention.conf}"

# -----
# Load and validate configuration
# -----

if [[ ! -f "$CONFIG_FILE" ]]; then
    echo "ERROR: Configuration file not found: $CONFIG_FILE" >&2
    exit 1
fi

# shellcheck source=/dev/null
source "$CONFIG_FILE"

required_commands=(
    curl
    jq
    docker
    sort
    awk
    mktemp
    head
```

```

tail
wc
)

for command_name in "${required_commands[@]"; do
    if ! command -v "$command_name" >/dev/null 2>&1; then
        echo "ERROR: Required command not found: $command_name" >&2
        exit 1
    fi
done

required_variables=(
    REGISTRY_SCHEME
    REGISTRY_ADDRESS
    REGISTRY_CONTAINER
    REGISTRY_REPOSITORIES_PATH
    KEEP_LAST
    REPORT_FILE
)

for variable_name in "${required_variables[@]"; do
    if [[ -z "${!variable_name:-}" ]]; then
        echo "ERROR: Required configuration is empty: $variable_name" >&2
        exit 1
    fi
done

if ! [[ "$KEEP_LAST" =~ ^[1-9][0-9]*$ ]]; then
    echo "ERROR: KEEP_LAST must be a positive integer." >&2
    exit 1
fi

if ! docker inspect "$REGISTRY_CONTAINER" >/dev/null 2>&1; then
    echo "ERROR: Registry container not found: $REGISTRY_CONTAINER" >&2
    exit 1
fi

REGISTRY_URL="${REGISTRY_SCHEME}://${REGISTRY_ADDRESS}"

DETAIL_REPORT="$REPORT_FILE"
SUMMARY_REPORT="${SCRIPT_DIR}/registry-retention-summary.tsv"

```

```

AUTH_ARGS=(

if [[ -n "${REGISTRY_USERNAME:-}" ]]; then
    AUTH_ARGS=(
        --user "${REGISTRY_USERNAME}:${REGISTRY_PASSWORD:-}"
    )
fi

# -----
# Registry API functions
# -----

api_get() {
    local url="$1"
    local response_file
    local http_status

    response_file="$(mktemp)"

    http_status="$(
        curl \
            "${AUTH_ARGS[@]}" \
            --silent \
            --show-error \
            --output "$response_file" \
            --write-out '%{http_code}' \
            "$url" ||
        true
    )"

    if [[ "$http_status" != "200" ]]; then
        echo "ERROR: Registry API request failed." >&2
        echo "URL: $url" >&2
        echo "HTTP status: ${http_status:-curl-error}" >&2
        echo "Response:" >&2
        cat "$response_file" >&2
        echo >&2

        rm -f "$response_file"
        return 1
    fi
}

```

```

fi

cat "$response_file"
rm -f "$response_file"
}

get_digest() {
    local repository="$1"
    local tag="$2"
    local response_headers
    local digest

    response_headers="$(mktemp)"

    if ! curl \
        "${AUTH_ARGS[@]}" \
        --fail \
        --silent \
        --show-error \
        --head \
        -H 'Accept: application/vnd.oci.image.index.v1+json' \
        -H 'Accept: application/vnd.oci.image.manifest.v1+json' \
        -H 'Accept: application/vnd.docker.distribution.manifest.list.v2+json' \
        -H 'Accept: application/vnd.docker.distribution.manifest.v2+json' \
        --output "$response_headers" \
        "${REGISTRY_URL}/v2/${repository}/manifests/${tag}"
    then
        rm -f "$response_headers"
        return 1
    fi

    digest="$(
        awk -F': ' '
            BEGIN {
                IGNORECASE = 1
            }

            tolower($1) == "docker-content-digest" {
                gsub("\r", "", $2)
                print $2
            }
        '
    )"
}

```

```

        ' "$response_headers" |
        tail -n 1
    )"

    rm -f "$response_headers"

    printf '%s\n' "$digest"
}

get_tag_time() {
    local repository="$1"
    local tag="$2"
    local link_file

link_file="${REGISTRY_REPOSITORIES_PATH}/${repository}/_manifests/tags/${tag}/current/link"

    docker exec "$REGISTRY_CONTAINER" \
        stat -c '%Y\t%y' "$link_file" 2>/dev/null ||
    true
}

# -----
# Initial information
# -----

echo "Registry: ${REGISTRY_URL}"
echo "Container: ${REGISTRY_CONTAINER}"
echo "Keeping latest ${KEEP_LAST} unique digest(s) per repository"
echo
echo "Reading Registry catalog..." >&2

# Do not use ?n=10000 because some Registry versions reject it.
catalog_json="$(
    api_get "${REGISTRY_URL}/v2/_catalog"
)"

mapfile -t repositories <<(
    jq -r '
        .repositories[]?
        | select(type == "string")
    '

```

```

        | select(length > 0)
    ' <<< "$catalog_json" |
    sort -u
)

repository_count="${#repositories[@]}"

if [[ "$repository_count" -eq 0 ]]; then
    echo "No repositories found."
    exit 0
fi

mkdir -p "$(dirname "$DETAIL_REPORT")"
mkdir -p "$(dirname "$SUMMARY_REPORT")"

printf "action\trepository\ttag\tpushed_epoch\tpushed_at\tdigest\n" \
    > "$DETAIL_REPORT"

printf "repository\ttotal_tags\tunique_digests\tkeep_tags\tdelete_tags\treview_tags\n" \
    > "$SUMMARY_REPORT"

# -----
# Global counters
# -----

total_tags=0
total_unique_digests=0
total_keep_latest=0
total_keep_previous=0
total_delete_candidates=0
total_review=0

# -----
# Scan repositories
# -----

for repository in "${repositories[@]"; do
    echo "Scanning: ${repository}" >&2

    tags_json="$(
        api_get "${REGISTRY_URL}/v2/${repository}/tags/list" ||

```

```

        true
    )"

if [[ -z "$tags_json" ]]; then
    echo "WARNING: Unable to retrieve tags for ${repository}" >&2

    printf "%s\t0\t0\t0\t0\t0\n" \
        "$repository" >> "$SUMMARY_REPORT"

    continue
fi

mapfile -t tags < <(
    jq -r '
        .tags[]?
        | select(type == "string")
        | select(length > 0)
    ' <<< "$tags_json" |
    sort -u
)

repository_tag_count="${#tags[@]}"

if [[ "$repository_tag_count" -eq 0 ]]; then
    printf "%s\t0\t0\t0\t0\t0\n" \
        "$repository" >> "$SUMMARY_REPORT"

    continue
fi

temp_file="$(mktemp)"
sorted_file="{temp_file}.sorted"

for tag in "${tags[@]"; do
    total_tags=$((total_tags + 1))

    stat_result="$(get_tag_time "$repository" "$tag")"

    pushed_epoch=""
    pushed_at=""

```

```

if [[ -n "$stat_result" ]]; then
    IFS=$'\t' read -r pushed_epoch pushed_at <<< "$stat_result"
fi

digest="$(get_digest "$repository" "$tag" || true)"

if [[ -z "$pushed_epoch" ]]; then
    pushed_epoch="0"
fi

if [[ -z "$pushed_at" ]]; then
    pushed_at="unknown"
fi

if [[ -z "$digest" ]]; then
    digest="unknown"
fi

printf "%s\t%s\t%s\t%s\n" \
    "$pushed_epoch" \
    "$tag" \
    "$pushed_at" \
    "$digest" \
    >> "$temp_file"
done

# Newest tag reference first.
sort \
    -t $'\t' \
    -k1,1nr \
    -k2,2 \
    "$temp_file" \
    > "$sorted_file"

declare -A digest_rank=()

repository_unique_digests=0
repository_keep_tags=0
repository_delete_tags=0
repository_review_tags=0

```

```

while IFS=$'\t' read -r pushed_epoch tag pushed_at digest; do
    action=""

    if [[ "$digest" == "unknown" || "$pushed_epoch" == "0" ]]; then
        action="REVIEW"

        repository_review_tags=$((repository_review_tags + 1))
        total_review=$((total_review + 1))
    else
        if [[ -z "${digest_rank[$digest]:-}" ]]; then
            repository_unique_digests=$((repository_unique_digests + 1))
            digest_rank["$digest"]="$repository_unique_digests"
        fi

        rank="${digest_rank[$digest]}"

        if [[ "$rank" -eq 1 ]]; then
            action="KEEP-LATEST"

            repository_keep_tags=$((repository_keep_tags + 1))
            total_keep_latest=$((total_keep_latest + 1))
        elif [[ "$rank" -le "$KEEP_LAST" ]]; then
            action="KEEP-PREVIOUS"

            repository_keep_tags=$((repository_keep_tags + 1))
            total_keep_previous=$((total_keep_previous + 1))
        else
            action="DELETE-CANDIDATE"

            repository_delete_tags=$((repository_delete_tags + 1))
            total_delete_candidates=$((total_delete_candidates + 1))
        fi
    fi

    printf "%s\t%s\t%s\t%s\t%s\t%s\n" \
        "$action" \
        "$repository" \
        "$tag" \
        "$pushed_epoch" \
        "$pushed_at" \
        "$digest" \

```

```
>> "$DETAIL_REPORT"
```

```
done < "$sorted_file"
```

```
# Correct Bash arithmetic syntax.
```

```
total_unique_digests=$(( total_unique_digests + repository_unique_digests))
```

```
printf "%s\t%s\t%s\t%s\t%s\t%s\n" \
```

```
    "$repository" \
```

```
    "$repository_tag_count" \
```

```
    "$repository_unique_digests" \
```

```
    "$repository_keep_tags" \
```

```
    "$repository_delete_tags" \
```

```
    "$repository_review_tags" \
```

```
>> "$SUMMARY_REPORT"
```

```
unset digest_rank
```

```
rm -f "$temp_file" "$sorted_file"
```

```
done
```

```
# -----
```

```
# Calculate final statistics
```

```
# -----
```

```
unique_delete_digests="$(
```

```
    awk -F'\t' ' 
```

```
        NR > 1 &&
```

```
        $1 == "DELETE- CANDIDATE" &&
```

```
        $6 != "" &&
```

```
        $6 != "unknown" {
```

```
            print $2 "\t" $6
```

```
        }
```

```
    ' "$DETAIL_REPORT" |
```

```
    sort -u |
```

```
    wc -l
```

```
)"
```

```
repositories_with_delete_candidates="$(
```

```
    awk -F'\t' ' 
```

```
        NR > 1 && ($5 + 0) > 0 {
```

```

        print $1
    }
    ' "$SUMMARY_REPORT" |
    wc -l
)"

total_kept_tags=$((total_keep_latest + total_keep_previous))

# -----
# Print overall summary
# -----

echo
echo "====="
echo "Registry retention dry-run completed"
echo "====="

printf "%-35s %s\n" "Registry repositories:" "$repository_count"
printf "%-35s %s\n" "Total tags scanned:" "$total_tags"
printf "%-35s %s\n" "Total unique digests:" "$total_unique_digests"
printf "%-35s %s\n" "KEEP-LATEST tags:" "$total_keep_latest"
printf "%-35s %s\n" "KEEP-PREVIOUS tags:" "$total_keep_previous"
printf "%-35s %s\n" "Total kept tags:" "$total_kept_tags"
printf "%-35s %s\n" "DELETE candidate tags:" "$total_delete_candidates"
printf "%-35s %s\n" "Unique delete digests:" "$unique_delete_digests"
printf "%-35s %s\n" \
    "Repositories with deletions:" \
    "$repositories_with_delete_candidates"
printf "%-35s %s\n" "REVIEW required:" "$total_review"

# -----
# Per-repository summary
# -----

echo
echo "====="
echo "Repository tag summary"
echo "====="

printf "%-62s %8s %9s %8s %8s %8s\n" \
    "REPOSITORY" \

```

```
"TAGS" \
"DIGESTS" \
"KEEP" \
"DELETE" \
"REVIEW"
```

```
printf "%-62s %8s %9s %8s %8s %8s\n" \
"-----" \
"-----" \
"-----" \
"-----" \
"-----" \
"-----"
```

```
tail -n +2 "$SUMMARY_REPORT" |
sort \
  -t '$'\t' \
  -k2,2nr \
  -k1,1 |
awk -F'\t' '
{
    printf "%-62s %8s %9s %8s %8s %8s\n",
        $1, $2, $3, $4, $5, $6
}
```

```
# -----
# Repositories with deletion candidates
# -----
```

```
echo
echo "=====
echo "Repositories with more than ${KEEP_LAST} unique digests"
echo "=====
```

```
found_large_repository=0
```

```
while IFS=$'\t' read -r \
    repository \
    tag_count \
    digest_count \
```

```

keep_count \
delete_count \
review_count
do
    if (( digest_count > KEEP_LAST )); then
        found_large_repository=1

        printf "%-62s tags=%-5s digests=%-5s delete=%s\n" \
            "$repository" \
            "$tag_count" \
            "$digest_count" \
            "$delete_count"
    fi
done < <(
    tail -n +2 "$SUMMARY_REPORT" |
    sort \
        -t '$'\t' \
        -k3,3nr \
        -k1,1
)

if [[ "$found_large_repository" -eq 0 ]]; then
    echo "No repository has more than ${KEEP_LAST} unique digests."
fi

# -----
# Exact delete candidates
# -----

echo
echo "=====
echo "Delete candidates"
echo "=====

if [[ "$total_delete_candidates" -eq 0 ]]; then
    echo "No delete candidates found."
else
    awk -F'\t' '
        NR > 1 && $1 == "DELETE-CANDIDATE" {
            printf "Repository : %s\n", $2
            printf "Image      : %s: %s\n", $2, $3

```

```

        printf "Tag          : %s\n", $3
        printf "Pushed at   : %s\n", $5
        printf "Digest      : %s\n", $6
        printf "%s\n",
            "-----"
    }
' "$DETAIL_REPORT"
fi

# -----
# Exact kept images
# -----

echo
echo "=====
echo "Images that will be kept"
echo "=====

awk -F'\t' '
    NR > 1 &&
    ($1 == "KEEP-LATEST" || $1 == "KEEP-PREVIOUS") {
        printf "%-14s %-75s %s\n",
            $1,
            $2 ":" $3,
            $6
    }
' "$DETAIL_REPORT"

# -----
# Review items
# -----

if [[ "$total_review" -gt 0 ]]; then
    echo
    echo "=====
    echo "Items requiring manual review"
    echo "=====

    awk -F'\t' '
        NR > 1 && $1 == "REVIEW" {
            printf "Repository : %s\n", $2

```

```

        printf "Image      : %s:%s\n", $2, $3
        printf "Pushed at  : %s\n", $5
        printf "Digest     : %s\n", $6
        printf "%s\n",
            "-----"
    }
    ' "$DETAIL_REPORT"
fi

# -----
# Report paths
# -----

echo
echo "=====
echo "Report files"
echo "=====
echo "Detailed report : ${DETAIL_REPORT}"
echo "Summary report  : ${SUMMARY_REPORT}"
echo
echo "No manifest, tag, digest, blob, image, or repository was deleted."
EOF

chmod +x /opt/registry-retention/registry-retention-dry-run.sh

```

مینگیم دراو ار ریز روتس د ارجا یارب

```
./registry-retention-dry-run.sh
```

یجورخ لاثم

```

[root@node1 registry-retention]# ./registry-retention-dry-run.sh
Registry: http://10.10.10.99:5000
Container: registry
Keeping latest 2 unique digest(s) per repository

Reading Registry catalog...
Scanning: appsan-back-crm
Scanning: appsan-back-panel
Scanning: appsan-panel-ui
Scanning: auth-server

```

Scanning: bitnami/os-shell  
Scanning: bitnami/postgresql  
Scanning: bitnami/rabbitmq-cluster-operator  
Scanning: bitnami/redis  
Scanning: bitnami/redis-sentinel  
Scanning: busybox  
Scanning: customer-service-counter-miniapp  
Scanning: data-foundation-panel-backend  
Scanning: data-foundation-panel-backend-with-path  
Scanning: data-foundation-panel-ui  
Scanning: data-quality-control  
Scanning: devops-fileserver  
Scanning: energy-man  
Scanning: engine  
Scanning: esb-sum-tester  
Scanning: fileserver  
Scanning: flyway  
Scanning: flyway/flyway  
Scanning: form-man-miniapp  
Scanning: fx-obligation-manager-diba-miniapp  
Scanning: haj-multi-messenger  
Scanning: haj-pilgrim-search  
Scanning: keycloak  
Scanning: log-correlator  
Scanning: log-management  
Scanning: mavaracrm-engine  
Scanning: ms-common  
Scanning: ms-datatools  
Scanning: ms-system  
Scanning: newfxs  
Scanning: newfxsamd  
Scanning: noiro/aci-containers-controller  
Scanning: noiro/aci-containers-host  
Scanning: noiro/cnideploy  
Scanning: noiro/openvswitch  
Scanning: noiro/opflex  
Scanning: openapi-parser  
Scanning: panel-ui  
Scanning: pilgrim-search-miniapp  
Scanning: pilgrim\_search-miniapp  
Scanning: pricing-panel-ui

Scanning: pricing-with-feign  
Scanning: pricing-with-feign-dev  
Scanning: quay.io/frouting/fr  
Scanning: quay.io/jetstack/cert-manager-cainjector  
Scanning: quay.io/jetstack/cert-manager-controller  
Scanning: quay.io/jetstack/cert-manager-startupapicheck  
Scanning: quay.io/jetstack/cert-manager-webhook  
Scanning: quay.io/metallb/controller  
Scanning: quay.io/metallb/speaker  
Scanning: rabbitmq  
Scanning: rancher/calico-cni  
Scanning: rancher/flannel-cni  
Scanning: rancher/hyperkube  
Scanning: rancher/local-path-provisioner  
Scanning: rancher/mirrored-calico-ctl  
Scanning: rancher/mirrored-calico-kube-controllers  
Scanning: rancher/mirrored-calico-node  
Scanning: rancher/mirrored-calico-pod2daemon-flexvol  
Scanning: rancher/mirrored-cluster-proportional-autoscaler  
Scanning: rancher/mirrored-coredns-coredns  
Scanning: rancher/mirrored-coreos-etcd  
Scanning: rancher/mirrored-flannel-flannel  
Scanning: rancher/mirrored-ingress-nginx-kube-webhook-certgen  
Scanning: rancher/mirrored-k8s-dns-dnsmasq-nanny  
Scanning: rancher/mirrored-k8s-dns-kube-dns  
Scanning: rancher/mirrored-k8s-dns-node-cache  
Scanning: rancher/mirrored-k8s-dns-sidecar  
Scanning: rancher/mirrored-metrics-server  
Scanning: rancher/mirrored-nginx-ingress-controller-defaultbackend  
Scanning: rancher/mirrored-pause  
Scanning: rancher/nginx-ingress-controller  
Scanning: rancher/rke-tools  
Scanning: redis  
Scanning: registry.k8s.io/sig-storage/nfs-subdir-external-provisioner  
Scanning: rest-interface  
Scanning: rest-invoker  
Scanning: service-desk  
Scanning: soap-invoker  
Scanning: soap-parser  
Scanning: soft-asset-man-miniapp  
Scanning: software-identity-miniapp

Scanning: sso\_keycloak  
Scanning: timberio/vector

Registry retention dry-run completed

Registry repositories: 88  
Total tags scanned: 112  
Total unique digests: 110  
KEEP-LATEST tags: 88  
KEEP-PREVIOUS tags: 23  
DELETE candidate tags: 1  
Unique delete digests: 1  
Repositories with deletions: 1  
REVIEW required: 0

Repository tag summary

| REPOSITORY                                   | TAGS | DIGESTS | KEEP | DELETE |
|----------------------------------------------|------|---------|------|--------|
| REVIEW                                       |      |         |      |        |
| -----                                        |      |         |      |        |
| -----                                        |      |         |      |        |
| data- foundation- panel- backend             | 3    | 3       | 2    |        |
| 1 0                                          |      |         |      |        |
| bitnami/os- shell                            | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| bitnami/redis                                | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| data- foundation- panel- backend- with- path | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| data- foundation- panel- ui                  | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| data- quality- control                       | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| devops- fileserver                           | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| haj- multi- messenger                        | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |
| haj- pilgrim- search                         | 2    | 2       | 2    |        |
| 0 0                                          |      |         |      |        |

|                                   |   |   |   |
|-----------------------------------|---|---|---|
| keycloak                          | 2 | 2 | 2 |
| 00                                |   |   |   |
| ms-system                         | 2 | 2 | 2 |
| 00                                |   |   |   |
| openapi-parser                    | 2 | 2 | 2 |
| 00                                |   |   |   |
| panel-ui                          | 2 | 2 | 2 |
| 00                                |   |   |   |
| pricing-panel-ui                  | 2 | 2 | 2 |
| 00                                |   |   |   |
| pricing-with-feign-dev            | 2 | 2 | 2 |
| 00                                |   |   |   |
| rest-interface                    | 2 | 2 | 2 |
| 00                                |   |   |   |
| rest-invoker                      | 2 | 2 | 2 |
| 00                                |   |   |   |
| service-desk                      | 2 | 2 | 2 |
| 00                                |   |   |   |
| software-identity-miniapp         | 2 | 2 | 2 |
| 00                                |   |   |   |
| timberio/vector                   | 2 | 2 | 2 |
| 00                                |   |   |   |
| appsan-back-crm                   | 1 | 1 | 1 |
| 00                                |   |   |   |
| appsan-back-panel                 | 1 | 1 | 1 |
| 00                                |   |   |   |
| appsan-panel-ui                   | 1 | 1 | 1 |
| 00                                |   |   |   |
| auth-server                       | 1 | 1 | 1 |
| 00                                |   |   |   |
| bitnami/postgresql                | 1 | 1 | 1 |
| 00                                |   |   |   |
| bitnami/rabbitmq-cluster-operator | 1 | 1 | 1 |
| 00                                |   |   |   |
| bitnami/redis-sentinel            | 1 | 1 | 1 |
| 00                                |   |   |   |
| busybox                           | 1 | 1 | 1 |
| 00                                |   |   |   |
| customer-service-counter-miniapp  | 1 | 1 | 1 |
| 00                                |   |   |   |
| energy-man                        | 1 | 1 | 1 |

|                                        |   |   |   |   |
|----------------------------------------|---|---|---|---|
| 0                                      | 0 |   |   |   |
| engine                                 |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| esb-sum- tester                        |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| fileserv                               |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| flyway                                 |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| flyway/flyway                          |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| form- man- miniapp                     |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| fx- obligation- manager- diba- miniapp |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| log- correlator                        |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| log- management                        |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| mavaracrm- engine                      |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| ms- common                             |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| ms- datatools                          |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| newfxs                                 |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| newfxsamd                              |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| noiro/aci- containers- controller      |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| noiro/aci- containers- host            |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| noiro/cnideploy                        |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| noiro/openvswitch                      |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| noiro/opflex                           |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |
| pilgrim- search- miniapp               |   | 1 | 1 | 1 |
| 0                                      | 0 |   |   |   |

|                                                  |   |   |   |
|--------------------------------------------------|---|---|---|
| pilgrim_search-miniapp                           | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/frrouting/frr                            | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/jetstack/cert-manager-cainjector         | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/jetstack/cert-manager-controller         | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/jetstack/cert-manager-startupapicheck    | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/jetstack/cert-manager-webhook            | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/metallb/controller                       | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| quay.io/metallb/speaker                          | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rabbitmq                                         | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/calico-cni                               | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/flannel-cni                              | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/hyperkube                                | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/local-path-provisioner                   | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-calico-ctl                      | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-calico-kube-controllers         | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-calico-node                     | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-calico-pod2daemon-flexvol       | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-cluster-proportional-autoscaler | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-coredns-coredns                 | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-coreos-etcd                     | 1 | 1 | 1 |
| 0 0                                              |   |   |   |
| rancher/mirrored-flannel-flannel                 | 1 | 1 | 1 |

|                                                             |   |            |                |             |
|-------------------------------------------------------------|---|------------|----------------|-------------|
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-ingress-nginx-kube-webhook-certgen         | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-k8s-dns-dnsmasq-nanny                      | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-k8s-dns-kube-dns                           | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-k8s-dns-node-cache                         | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-k8s-dns-sidecar                            | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-metrics-server                             | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-nginx-ingress-controller-defaultbackend    | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/mirrored-pause                                      | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/nginx-ingress-controller                            | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| rancher/rke-tools                                           | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| redis                                                       | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| registry.k8s.io/sig-storage/nfs-subdir-external-provisioner | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| soap-invoker                                                | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| soap-parser                                                 | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| soft-asset-man-miniapp                                      | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| sso_keycloak                                                | 1 | 1          | 1              |             |
| 0                                                           | 0 |            |                |             |
| repository                                                  |   | total_tags | unique_digests | keep_tags   |
| delete_tags                                                 |   |            |                | review_tags |

=====  
 Repositories with more than 2 unique digests  
 =====

|                               |        |           |          |
|-------------------------------|--------|-----------|----------|
| data-foundation-panel-backend | tags=3 | digests=3 | delete=1 |
|-------------------------------|--------|-----------|----------|

=====

## Delete candidates

=====

Repository : data-foundation-panel-backend

Image : data-foundation-panel-backend: null

Tag : null

Pushed at : 2026-03-28 21:28:29.616459450 +0000

Digest : sha256: e5d8350338ebb63631b2c2c5bfa781b3b59981c73e03352a592f8f794b651e3b

-----

=====

## Images that will be kept

=====

KEEP- LATEST appsan-back-crm: 5f9c84e

sha256: 1070a842b50327dec4bc247bd4b4ddecdd7e616d3e32e82a5028534d550ddf61d

KEEP- LATEST appsan-back-panel: 5f9c84e

sha256: cae08d283dfd2eebb9613ec0cf9440935f2b9917b7eba3ed013c1433322a4a01

KEEP- LATEST appsan-panel-ui: 4eb4a27

sha256: 5d57ac29ccb0ecdff00eb71911afea357ef0ff8a8f5afaac7a7b8fbe5c1fed801

KEEP- LATEST auth-server: c5d2277

sha256: 3f16471e046bd284329f3b0b713054c8c45d4838c562054a4d1ce83e95f71190

KEEP- LATEST bitnami/os-shell: 12-debian-12-r40

sha256: 86282b491360476e192fbd68a25b1f92ca9282e637f432599057d0a311340e56

KEEP- PREVIOUS bitnami/os-shell: 12-debian-12-r24

sha256: 399baf4d3dc5d2967f7ed95b07a6e48e8faf856c9a8ccf83601ccc4f5221d7e6

KEEP- LATEST bitnami/postgresql: 16.3.0-debian-12-r19

sha256: 33d97c701ceaf71641532e1f9e98dcf3b12f7aacbba68aa4da5dc103edd4ec33

KEEP- LATEST bitnami/rabbitmq-cluster-operator: latest

sha256: 8d9f0ce53c7518327e870a9d6ca2aa3f9faa56c7c9692533a733a753a04868d6

KEEP- LATEST bitnami/redis: 7.4.2-debian-12-r6

sha256: 233e80ba5fc68b959f34ba5c91ef47caf5a678bf6d0ff19f416539f0122ec304

KEEP- PREVIOUS bitnami/redis: 7.4.1-debian-12-r2

sha256: 9ea3d45afc7a1bf95192a9591f2debe2ab5e37712a0e456d859e8f450a9cb7ee

KEEP- LATEST bitnami/redis-sentinel: 7.4.2-debian-12-r6

sha256: 8379ae0ba492ebe8d119adf085d5adad29ad7942687d97e581a8c8e36d6d1724

KEEP- LATEST busybox: latest

sha256: d319b0e3e1745e504544e931cde012fc5470eba649acc8a7b3607402942e5db7

KEEP- LATEST customer-service-counter-miniapp: ebc7f15

sha256: fb25defb7f3649eae6bdca6f295b4823eba41dc8c4918be35a8a803e9c2b4799

KEEP- LATEST data-foundation-panel-backend: d0f5602-fakher

sha256: bb4481c0c5440b1ddf84f77117c0abfeaa905580abb30aae9de4773ff63fdb08

KEEP- PREVIOUS data- foundation- panel- backend: 61952da- fakher  
sha256: cc2ffe7233376b5619ba7752bdf61afd9c79ba449b112342f33a8218ceae7159

KEEP- LATEST data- foundation- panel- backend- with- path: 9b4bda5- fakher  
sha256: 86586eafad027c848f7c0091a0db1dee2baba5b9d0add137c9d356c1fcc51e8

KEEP- PREVIOUS data- foundation- panel- backend- with- path: b6eb421- fakher  
sha256: af2459a1a3c9e81ce4d7eafaa6768988b654ff79d4663998afd6d1080ecd9594

KEEP- LATEST data- foundation- panel- ui: dfp- ec38808  
sha256: 9193cef90b772104f6980c5c62436df4c7967693dd80c2060745840b3df0486d

KEEP- PREVIOUS data- foundation- panel- ui: dfp- fdc20dd  
sha256: 6baddf1a722912681ae77dacbac8e9ce81814b30b4f20191f9dbb768511fed40

KEEP- LATEST data- quality- control: 0826d3b- fakher  
sha256: 5b6e5be9a7e761043390f39e2c6d4a12077d5e75a997e77c9fd102a33580ac1a

KEEP- PREVIOUS data- quality- control: 3e3dd03- fakher  
sha256: 7869e7beea0428f93735f3fd037a26d73517c0a716d24e3868fd46cf0dc216b9

KEEP- LATEST devops- fileserver: V12. 2  
sha256: 794a758b44bcd7eb4ab1b59e3791232f37b759d2201f1eef67eacdb92bceedd5

KEEP- PREVIOUS devops- fileserver: V12. 1  
sha256: 4bbf0fc9a84d4a3f82004812a9aa8741469a5e98f2c783844548007038a080c9

KEEP- LATEST energy- man: e89a0b0  
sha256: e78567dbdbbe25e22ee347ce94b9936fffb16fdeb63b47e632b2b8e5c06516e1e

KEEP- LATEST engine: 5bb50e9  
sha256: 7970b1b72c7723843f391bb84d716857ce6a783d7647c2b73c67c4b3399a421f

KEEP- LATEST esb- sum- tester: v1. 0  
sha256: e080d70e1d65225266c0ced477392c682c2e9366118f5a178c61444b2d9303b1

KEEP- LATEST fileserver: v12. 3  
sha256: cf9f363e807f110b347d567613e687235bbb3f6d60e40947a93460ea4def8100

KEEP- LATEST flyway: latest  
sha256: fb8e1d3f838527e4b0e9d11228797ddcec4955c4d9b9540ceb521e4e2122dfea

KEEP- LATEST flyway/flyway: latest  
sha256: fb8e1d3f838527e4b0e9d11228797ddcec4955c4d9b9540ceb521e4e2122dfea

KEEP- LATEST form- man- miniapp: 65c9e4f  
sha256: 03c86dd369397172405895c617aca2a6630fafcdef8edbecbb97b603f026b7a5

KEEP- LATEST fx- obligation- manager- diba- miniapp: 509c7eb  
sha256: bd6b3f1b6d71930eac9a771f4a5e52b0b636c0efee092413df1b9de4066cf1e9

KEEP- LATEST haj- multi- messenger: 3688422  
sha256: 2f373cbe74dfffb363a97f6d185f6938193fb1ebe554d0ee3c46be9ae7f081e93

KEEP- PREVIOUS haj- multi- messenger: 78c0297  
sha256: 43e47661e2a0e4722194779bc228b1948ab184e38d437160169179c69fe26a29

KEEP- LATEST haj- pilgrim- search: integropia- 42  
sha256: 5b0139ca99514d4f68c5babbcd2b346b2c4fe82cecba297981ddb45e0c16f34e

KEEP- PREVIOUS haj- pilgrim- search: integropia- 41

sha256: 5831ad7934ffe4e630504991d52332fd462d1b0a03b1480d4aec2961fd4f2c1e  
KEEP- LATEST     keycloak: itg- 26

sha256: e0c89dfbd34ad42e5724e2b7a2e8e6dce008f2cd5438db55601901f187bbc56f  
KEEP- PREVIOUS   keycloak: itg- 23

sha256: 775bb2314f81a0586580a4e85934bd59c0442aa171c2441345f5870a042d1461  
KEEP- LATEST     log- correlator: latest

sha256: 4f0a59dd39b8b56dcbea138eed048c1c281f27b042b315bf8910436d8aef3ce6  
KEEP- LATEST     log- management: 442ee29

sha256: d1540fd13c41316271882e68cd7ba1d8b3997a53af33a7bb799ee4f23cf44732  
KEEP- LATEST     mavaracrm- engine: 363389e

sha256: bdcbafead6b3f431cd0ef61244668dde77f835bc497402549064673d307a64a83  
KEEP- LATEST     ms- common: e1a4646

sha256: 6c84b8603830f9c02de2ca6e458f970d27b7a7fb844a8aeb25c1bf531aee4f1  
KEEP- LATEST     ms- datatools: 96b6805

sha256: 9565b9c4307ce6751962683f5a28f85abf042ffa2e193afce704cb095e50feeb  
KEEP- LATEST     ms- system: itg- 4

sha256: 912e07235b6f7d6c088d20bd727f2a85c58dc641c4ae31bed4398c0542ea277a  
KEEP- PREVIOUS   ms- system: itg- 3

sha256: a6a29af68391ba67c99741c12674db88e062d2b6092e2610c1c26623d6208780  
KEEP- LATEST     newfxs: latest

sha256: 93e548ab1a984799db74acbf0b0486019d0281867263e29b59bd5ff48fec01f8  
KEEP- LATEST     newfxsamd: latest

sha256: 66a03d56c6c90ce836ed82365dce82c27c873e4f4636af0ad9b6bf88b9fb29d0  
KEEP- LATEST     noiro/aci- containers- controller: 6. 1. 1. 1. 81c2369

sha256: b7f1ebf49d1c681b8001213f86b39649cd5dc118981b3f6b83771af9ad10d472  
KEEP- LATEST     noiro/aci- containers- host: 6. 1. 1. 1. 81c2369

sha256: eadeb41433bea5c9461d1a3f70c90be31f7b25517e26fe74b43f95bd68695f40  
KEEP- LATEST     noiro/cnideploy: 6. 1. 1. 1. 81c2369

sha256: de30bae131703ad03b9cbb325543bcced695a5cdb0e0700196046c766ba7823  
KEEP- LATEST     noiro/openvswitch: 6. 1. 1. 1. 81c2369

sha256: c07a4073eb3de76beb6271d6408b5d0ce6e59ed85be3b2c36e2bb1aa88f720d4  
KEEP- LATEST     noiro/opflex: 6. 1. 1. 1. 81c2369

sha256: eb8f7fb50773dfc09f7a7f55fad80683a7e4f96dec0bc10d8802bf575ebd7527  
KEEP- LATEST     openapi- parser: itg- 5

sha256: 621a14ba28154487369d0c36a4c7c66f51a593125831ebb56c5fb9afd2895314  
KEEP- PREVIOUS   openapi- parser: integrovia- 4

sha256: 44a793f146341d67df35c1974a25447346454659c5388514f8b44bff32838600  
KEEP- LATEST     panel- ui: itg- 16

sha256: c2750dc4130d830a728855c6e3806b165f82aa577a410cefd3248f097ea8823  
KEEP- PREVIOUS   panel- ui: itg- 15

sha256: 1aalb29a1bee82e06cacb282eac26bb5b310bdba063f8fedfcc6084fa78edce9

KEEP- LATEST pilgrim-search-miniapp: eb71481  
sha256: fcd6a33799a925adb6645a2ff3ff468d105a72cf6b56a3c92e86037afd711b1

KEEP- LATEST pilgrim\_search-miniapp: eb71481  
sha256: fcd6a33799a925adb6645a2ff3ff468d105a72cf6b56a3c92e86037afd711b1

KEEP- LATEST pricing-panel-ui: dfp- 72- internal  
sha256: d38bbf554176dfcd210adbf6d6e559610b8dcab23875d42677342411cf0a8511

KEEP- PREVIOUS pricing-panel-ui: dfp- 71- internal  
sha256: 86b4d37d87b265a89c871c64b53dd4ede90411623d1b5366bd46e606df9c7c64

KEEP- LATEST pricing-with-feign: 296d81f- fakher  
sha256: 1f9fffd92889bede2ff9d6b1c25542db2d439cdc878b829407ea6516f156a3d2

KEEP- PREVIOUS pricing-with-feign: b068181- fakher  
sha256: 4b4dc316210fa15e49b07ef88912071b45c11ac11265e849cccc8dc9d2bcec85

KEEP- PREVIOUS pricing-with-feign: 4641768- fakher  
sha256: 4b4dc316210fa15e49b07ef88912071b45c11ac11265e849cccc8dc9d2bcec85

KEEP- PREVIOUS pricing-with-feign: 0c5882d- fakher  
sha256: 4b4dc316210fa15e49b07ef88912071b45c11ac11265e849cccc8dc9d2bcec85

KEEP- LATEST pricing-with-feign-dev: ac6d1ed- fakher  
sha256: 020f8cb6170891c85299031a2a58c1679cedc8c1f2000031e49c30797f8266ab

KEEP- PREVIOUS pricing-with-feign-dev: fa1a824- fakher  
sha256: 06fb7831f3172f96265088a83e74783fcff4f6ac0f065dc1e70aa0b864206e2f

KEEP- LATEST quay.io/frouting/frr: 9. 1. 0  
sha256: e9eef6f1be059274fc1280f54eea41ebf1db36c9e1a22d454c72ee08583c1f07

KEEP- LATEST quay.io/jetstack/cert-manager-cainjector: v1. 16. 1  
sha256: 171f9a9a7affd5905e509a52f13a7cae75b2303510e0455fda30a49a4b8847c0

KEEP- LATEST quay.io/jetstack/cert-manager-controller: v1. 16. 1  
sha256: 8f82029c681ec7812c3dcae27136412d67cb8334e78c3f61a93b301c14802fa8

KEEP- LATEST quay.io/jetstack/cert-manager-startupapicheck: v1. 16. 1  
sha256: c00bc206b040b4563b72d73a022607e79f73df26de94749e2ec1725d8d9d9b15

KEEP- LATEST quay.io/jetstack/cert-manager-webhook: v1. 16. 1  
sha256: 71606ab773978c8f0172759bf06b17d268f67cb4fea5303e39d1d29033cc4bb0

KEEP- LATEST quay.io/metallb/controller: v0. 14. 8  
sha256: ecf533ca0b175a88f91a767f675c1cc1e5058e675d678d4c2ac9dff45d355c9c

KEEP- LATEST quay.io/metallb/speaker: v0. 14. 8  
sha256: 87f1be308b8d42b227a989cf6c13b5d11d4e0611cee06d4f335ca1ff3ab8638b

KEEP- LATEST rabbitmq: 4. 0. 3- management- alpine  
sha256: 63c260b34b6c657c1273b98a8a5adcf57fde85534fda0fa6698d6865f15847aa

KEEP- LATEST rancher/calico-cni: v3. 28. 1- rancher1  
sha256: 6270ed548cf1402e1e337f7c5a57a4ee7131386c31e37909cb83aa8e663c8dcd

KEEP- LATEST rancher/flannel-cni: v1. 4. 1- rancher1  
sha256: 6525affdfa48affc550487d9c7c1f02beed36427854a6424191a0a1bdd7627d2

KEEP- LATEST rancher/hyperkube: v1. 30. 5- rancher1

sha256: a6bdbda952a78af0978ee0b5b6f228dbcba34025a0d0f1581152cc67d8617d88  
KEEP- LATEST rancher/local-path-provisioner: v0. 0. 26  
sha256: 9325057706239e408ed417b19356cd892ee67b046ee08ff11798777d67288bd5  
KEEP- LATEST rancher/mirrored-calico-ctl: v3. 28. 1  
sha256: deea3c3b5931520f6b77654626053bd265504645b4fa33348c0a2b08ca918dd0  
KEEP- LATEST rancher/mirrored-calico-kube-controllers: v3. 28. 1  
sha256: 8579fad4baca75ce79644db84d6a1e776a3c3f5674521163e960ccebd7206669  
KEEP- LATEST rancher/mirrored-calico-node: v3. 28. 1  
sha256: f72bd42a299e280eed13231cc499b2d9d228ca2f51f6fd599d2f4176049d7880  
KEEP- LATEST rancher/mirrored-calico-pod2daemon-flexvol: v3. 28. 1  
sha256: 72be5fbelcef7a60245bdc0c9f37f9f92800d115c63760955382d6597ea58e23  
KEEP- LATEST rancher/mirrored-cluster-proportional-autoscaler: v1. 8. 9  
sha256: f7ed92f1e5c511a4ffcf266851db8ddedb45d87d861ced63f3bcfe62b1731051  
KEEP- LATEST rancher/mirrored-coredns-coredns: 1. 11. 1  
sha256: 2169b3b96af988cf69d7dd69efbcc59433eb027320eb185c6110e0850b997870  
KEEP- LATEST rancher/mirrored-coreos-etcd: v3. 5. 12  
sha256: 162fe639721588329bfea28d8b5e1286423cebd2b48c789ce7facfe7e0db0e1d  
KEEP- LATEST rancher/mirrored-flannel-flannel: v0. 25. 1  
sha256: 707bb127c71edb8c619a0485d98796fc849eff1618a1214f335df88ed0b5615d  
KEEP- LATEST rancher/mirrored-ingress-nginx-kube-webhook-certgen: v1. 4. 1  
sha256: 887b7f4495677473f1bef5bfb48200a1070e526183b515682a7e78e43c7d7da4  
KEEP- LATEST rancher/mirrored-k8s-dns-dnsmasq-nanny: 1. 23. 0  
sha256: 5f420006a6da5263570e2c8c35ad133c1f29ea562092af24f0b655be6202d2bb  
KEEP- LATEST rancher/mirrored-k8s-dns-kube-dns: 1. 23. 0  
sha256: 32b101995e0742f18af3528b1da23be0e5bb9353f8ed9667ca74cd85d3cc968f  
KEEP- LATEST rancher/mirrored-k8s-dns-node-cache: 1. 23. 0  
sha256: 6177e8cdbafa04b5a33df4f3b3bb1d826584e34cfe1dfdb0b773eb8f566b8047  
KEEP- LATEST rancher/mirrored-k8s-dns-sidecar: 1. 23. 0  
sha256: 33a513ad5eba3bed82e073c14c778b4951fab04a45d44be00bda1c7354f0a38f  
KEEP- LATEST rancher/mirrored-metrics-server: v0. 7. 1  
sha256: 799bbdcdd394890e7e4564ff692d3e7506e34cbe2117f7e8db867257f6bc6e08  
KEEP- LATEST rancher/mirrored-nginx-ingress-controller-defaultbackend: 1. 5-rancher1  
sha256: 4dc5e07c8ca4e23bddb3153737d7b8c556e5fb2f29c4558b7cd6e6df99c512c7  
KEEP- LATEST rancher/mirrored-pause: 3. 7  
sha256: 445a99db22e9add9bfb15ddb1980861a329e5dff5c88d7eec9cbf08b6b2f4eb1  
KEEP- LATEST rancher/nginx-ingress-controller: nginx-1. 11. 2-rancher1  
sha256: f0402daaa8551afd3342d7cdbe2096e94988bfe4b6519367f676592e475ac9d6  
KEEP- LATEST rancher/rke-tools: v0. 1. 103  
sha256: d4d2f8a11901ba950fc61b8e2d0a849b1797796f495a683cd84ca8b521dcb33b  
KEEP- LATEST redis: 8. 0- M03- alpine3. 21  
sha256: 64a6d11ec570f253bf47392d70820cef20ff859fd1f7b150232561d97ddf912b

KEEP- LATEST registry.k8s.io/sig-storage/nfs-subdir-external-provisioner: v4.0.2  
sha256: f741e403b3ca161e784163de3ebde9190905fdbf7dfaa463620ab8f16c0f6423

KEEP- LATEST rest-interface: be5cb08  
sha256: d285b34b0fbba68955fe379ed7ff578374bee3b9252bed65838ac48609e47919

KEEP- PREVIOUS rest-interface: d2ade9b  
sha256: 209cb8b8ddd69dcc92129fb4fdd5784fd75f572e18a8a785135b47f45d5c0c75

KEEP- LATEST rest-invoker: 92290fb  
sha256: 0b112c4e309ccd29b9d45baa3c89a9aaa57d5f5955045ea04231518554a328f2

KEEP- PREVIOUS rest-invoker: 1d409fe  
sha256: 0fc206944ed9d8da616b66ed1f33cd8eca6b8f209baab722166af7dd0ac32c3a

KEEP- LATEST service-desk: itg-37  
sha256: b393a8a7246bd7bbabbe2dc3390cf690163d408ee243c048b6a816bd576c858c

KEEP- PREVIOUS service-desk: itg-36  
sha256: dd3daa69c29e91bdf78bbbf6f2c649110c940d11d3f521c6ec4be76c1d0763e4

KEEP- LATEST soap-invoker: 223a6b4  
sha256: de37965e3ae8e684fcbc960706cc198c9ed3045e423f19e79d2b8ef7d8ab9104

KEEP- LATEST soap-parser: 8ad244a  
sha256: 13b974f0c0a65bf0189ee1972be4090e16e021615c5ccd34ff9de946ccf875ad

KEEP- LATEST soft-asset-man-miniapp: 4fd828a  
sha256: 923744bcfd45283425ec52071054e59e03c60802fd51f821e841a908a53c9378

KEEP- LATEST software-identity-miniapp: 1bf69da  
sha256: b5de488c28110d7affe3a47cb3e1e18733e6740ccb2fe794e228d600f29e99d4

KEEP- PREVIOUS software-identity-miniapp: 1af723e  
sha256: d17a71413d55e0ffde43f5b965aee62357b67ecd5c454b84b1de1066777460c0

KEEP- LATEST sso\_keycloak: 23.0.3-1.0.53  
sha256: b18ad3dce1631ad3bb8e7747a501dea03c363015e8027c7584d1ae2ebc347fa8

KEEP- LATEST timberio/vector: 0.46.1-debian  
sha256: b69744ff85f898279be707312546cf6f117192659e5080ffc988c7dca341dfdd

KEEP- PREVIOUS timberio/vector: 0.42.0-debian  
sha256: e3537b4d454b6711e10c7643268fe5e8f0cc8489d462dc6a46cd01ccea9c89dd

=====

Report files

=====

Detailed report : /opt/registry-retention/registry-retention-report.tsv

Summary report : /opt/registry-retention/registry-retention-summary.tsv

No data was deleted.

دیریگشرازگ و نانیمطا یارب افرص و هدرکن کاپ اریجیمی روتسد نی هک دینک هجوت



# ی فاضا یاه جی میا ندرک کاپ

دی نک ارجا ار ریز روتسد ادتبا فذح لباق یاه جی میا ندرک کاپ یارب

```
cat > /opt/registry-retention/delete-registry-candidates.sh <<' EOF'
#!/usr/bin/env bash

set -euo pipefail

SCRIPT_DIR="$(cd -- "$(dirname -- "${BASH_SOURCE[0]}")" && pwd)"
CONFIG_FILE="${CONFIG_FILE:-${SCRIPT_DIR}/registry-retention.conf}"

if [[ ! -f "$CONFIG_FILE" ]]; then
    echo "ERROR: Configuration file not found: $CONFIG_FILE" >&2
    exit 1
fi

# shellcheck source=/dev/null
source "$CONFIG_FILE"

required_variables=(
    REGISTRY_SCHEME
    REGISTRY_ADDRESS
    REPORT_FILE
)

for variable_name in "${required_variables[@]}; do
    if [[ -z "${!variable_name:-}" ]]; then
        echo "ERROR: Required configuration is empty: ${variable_name}" >&2
        exit 1
    fi
done

for command_name in curl awk sort; do
    if ! command -v "$command_name" >/dev/null 2>&1; then
        echo "ERROR: Required command not found: ${command_name}" >&2
        exit 1
    fi
done
```

done

REGISTRY\_URL="\${REGISTRY\_SCHEME}: //\${REGISTRY\_ADDRESS}"

REPORT="\$REPORT\_FILE"

if [[ ! -f "\$REPORT" ]]; then

echo "ERROR: Report file not found: \$REPORT" >&2

echo "Run registry-retention-dry-run.sh first." >&2

exit 1

fi

expected\_header=\$( action\trepository\ttag\tpushed\_epoch\tpushed\_at\tdigest'

actual\_header="\$( head -n 1 "\$REPORT" )"

if [[ "\$actual\_header" != "\$expected\_header" ]]; then

echo "ERROR: Unexpected report format." >&2

echo "Expected: " >&2

printf ' %s\n' "\$expected\_header" >&2

echo "Found: " >&2

printf ' %s\n' "\$actual\_header" >&2

exit 1

fi

AUTH\_ARGS=(

if [[ -n "\${REGISTRY\_USERNAME: -}" ]]; then

AUTH\_ARGS=(

--user "\${REGISTRY\_USERNAME}: \${REGISTRY\_PASSWORD: -}"

)

fi

candidate\_tag\_count="\$(

awk -F'\t' '

NR > 1 && \$1 == "DELETE-CANDIDATE" {

count++

}

END {

print count + 0

}

' "\$REPORT"

)"

```

candidate_digest_count="$(
    awk -F'\t' '
        NR > 1 &&
        $1 == "DELETE-CANDIDATE" &&
        $6 != "" &&
        $6 != "unknown" {
            print $2 "\t" $6
        }
    ' "$REPORT" |
    sort -u |
    wc -l
)"

if [[ "$candidate_tag_count" -eq 0 ]]; then
    echo "No DELETE-CANDIDATE rows were found."
    echo "Nothing was deleted."
    exit 0
fi

echo "Registry           : ${REGISTRY_URL}"
echo "Report              : ${REPORT}"
echo "Candidate tags       : ${candidate_tag_count}"
echo "Unique delete digests: ${candidate_digest_count}"
echo

echo "The following images are candidates for deletion:"
echo

awk -F'\t' '
    NR > 1 && $1 == "DELETE-CANDIDATE" {
        printf "    %-65s %s\n", $2 ":" $3, $6
    }
' "$REPORT"

echo

if [[ "${CONFIRM:-}" != "YES" ]]; then
    echo "Deletion is disabled."
    echo
    echo "Review the list above, then run:"

```

```

    echo "CONFIRM=YES ./delete-registry-candidates.sh"
    exit 1
fi

# Additional confirmation value to prevent accidental execution.
if [[ "${CONFIRM_REGISTRY:-}" != "$REGISTRY_ADDRESS" ]]; then
    echo "ERROR: Registry confirmation does not match." >&2
    echo
    echo "Run with both confirmation variables:" >&2
    echo "CONFIRM=YES CONFIRM_REGISTRY=${REGISTRY_ADDRESS} ./delete-registry-candidates.sh"
>&2
    exit 1
fi

declare -A processed=()

deleted_count=0
failed_count=0
duplicate_count=0
invalid_count=0
protected_count=0

while IFS=$'\t' read -r \
    action \
    repository \
    tag \
    pushed_epoch \
    pushed_at \
    digest
do
    [[ "$action" != "DELETE-CANDIDATE" ]] && continue

    if [[ -z "$repository" || -z "$tag" ]]; then
        echo "SKIP invalid row: missing repository or tag"
        invalid_count=$((invalid_count + 1))
        continue
    fi

    if [[ -z "$digest" || "$digest" == "unknown" ]]; then
        echo "SKIP missing digest: ${repository}:${tag}"
        invalid_count=$((invalid_count + 1))
    fi

```

```

        continue
    fi

    if [[ ! "$digest" =~ ^sha256:[0-9a-fA-F]{64}$ ]]; then
        echo "SKIP invalid digest: ${repository}:${tag} ${digest}"
        invalid_count=$((invalid_count + 1))
        continue
    fi

    key="${repository}|${digest}"

    if [[ -n "${processed[$key]:-}" ]]; then
        echo "SKIP duplicate digest: ${repository}:${tag} ${digest}"
        duplicate_count=$((duplicate_count + 1))
        continue
    fi

    # Safety check:
    # Never delete a digest if the report also marks the same
    # repository+digest as KEEP-LATEST or KEEP-PREVIOUS.
    if awk -F'\t' \
        -v repository="$repository" \
        -v digest="$digest" '
            NR > 1 &&
            $2 == repository &&
            $6 == digest &&
            ($1 == "KEEP-LATEST" || $1 == "KEEP-PREVIOUS") {
                found = 1
                exit
            }
        END {
            exit(found ? 0 : 1)
        }
    ' "$REPORT"
    then
        echo "PROTECTED: ${repository}:${tag} ${digest}"
        echo "Reason: the same digest is marked as KEEP in the report."
        protected_count=$((protected_count + 1))
        processed["$key"]=1
        continue
    fi

```

```

processed[ "$key" ]=1

status="$(
    curl \
        "${AUTH_ARGS[@]}" \
        --silent \
        --show-error \
        --output /dev/null \
        --write-out '%{http_code}' \
        --request DELETE \
        "${REGISTRY_URL}/v2/${repository}/manifests/${digest}" ||
    true
)"

case "$status" in
    202)
        echo "DELETED: ${repository}:${tag} ${digest}"
        deleted_count=$((deleted_count + 1))
        ;;

    404)
        echo "NOT FOUND: ${repository}:${tag} ${digest}"
        echo "The manifest may already have been deleted."
        failed_count=$((failed_count + 1))
        ;;

    405)
        echo "FAILED: ${repository}:${tag} HTTP=405"
        echo "Manifest deletion is not enabled in Registry configuration."
        failed_count=$((failed_count + 1))
        ;;

    *)
        echo "FAILED: ${repository}:${tag} HTTP=${status: -curl-error}
digest=${digest}"
        failed_count=$((failed_count + 1))
        ;;
esac

done < <(tail -n +2 "$REPORT")

```

```
echo
echo "=====
echo "Registry manifest deletion completed"
echo "=====
echo "Deleted unique digests : ${deleted_count}"
echo "Failed deletions      : ${failed_count}"
echo "Duplicate report rows : ${duplicate_count}"
echo "Invalid report rows   : ${invalid_count}"
echo "Protected digests     : ${protected_count}"
echo
echo "Manifest deletion does not immediately release disk space."
echo "Run Registry garbage collection after reviewing the result."
EOF

chmod +x /opt/registry-retention/delete-registry-candidates.sh
```

مىنىكىم ارجا ار روتسرد نىا ىناحما تروص هب ادتبا تست يارب:

```
./delete-registry-candidates.sh
```

رابطتنا لباقي جوخ:

```
[root@node1 registry-retention]# ./delete-registry-candidates.sh
Registry          : http://10.10.10.99:5000
Report            : /opt/registry-retention/registry-retention-report.tsv
Candidate tags    : 1
Unique delete digests: 1

The following images are candidates for deletion:

data-foundation-panel-backend: null
sha256: e5d8350338ebb63631b2c2c5bfa781b3b59981c73e03352a592f8f794b651e3b

Deletion is disabled.

Review the list above, then run:
CONFIRM=YES ./delete-registry-candidates.sh
```

دىنك دراوا ه جىمىا ىياهن ندرک کاپ يارب ار رىز روتسرد جوخ زا نانمطا زا سپ سپس

```
CONFIRM=YES \  
CONFIRM_REGISTRY=10.10.10.99:5000 \  
. /delete-registry-candidates.sh
```

زا دیاب manifest نودب یاه blob ندرک کاپ یارب. دنکیم کاپ اراه manifest طقف روتسد نی  
مینیکن هدفستسا garbage collector

```
docker run --rm \  
-v rke-registry:/var/lib/registry \  
registry:latest \  
garbage-collect --delete-untagged \  
/etc/distribution/config.yml
```

دیهد رارق دوخ registry تامیظنت هب هجوت اب دیاب ار روتسد نی رخا دروم هک دینک هجوت.