Validating build configuration with GitHub Actions

- Run checks with docker/build-push-action
- Run checks with docker/bake-action
  - Using the call input directly

Build checks let you validate your `docker build` configuration without actually running the build.

Run checks with `docker/build-push-action`

To run build checks in a GitHub Actions workflow with the `build-push-action`, set the `call` input parameter to `check`. With this set, the workflow fails if any check warnings are detected for your build's configuration.

```
name: ci

on:
  push:

jobs:
  docker:
    runs-on: ubuntu-latest
    steps:
      - name: Login to Docker Hub
```

```
        uses: docker/login-action@{{% param "login_action_version" %}}
        with:
          username: ${{ secrets.DOCKERHUB_USERNAME }}
          password: ${{ secrets.DOCKERHUB_TOKEN }}

      - name: Set up Docker Buildx
        uses: docker/setup-buildx-action@{{% param "setup_buildx_action_version" %}}

      - name: Validate build configuration
        uses: docker/build-push-action@{{% param "build_push_action_version" %}}
        with:
          call: check

      - name: Build and push
        uses: docker/build-push-action@{{% param "build_push_action_version" %}}
        with:
          push: true
          tags: user/app:latest
```

Run checks with `docker/bake-action`

If you're using Bake and `docker/bake-action` to run your builds, you don't need to specify any special inputs in your GitHub Actions workflow configuration. Instead, define a Bake target that calls the `check` method, and invoke that target in your CI.

```
target "build" {
  dockerfile = "Dockerfile"
  args = {
    FOO = "bar"
  }
}
target "validate-build" {
  inherits = ["build"]
  call = "check"
}
```

```yaml
name: ci

on:
  push:

env:
  IMAGE_NAME: user/app

jobs:
  docker:
    runs-on: ubuntu-latest
    steps:
      - name: Login to Docker Hub
        uses: docker/login-action@{{% param "login_action_version" %}}
        with:
          username: ${{ vars.DOCKERHUB_USERNAME }}
          password: ${{ secrets.DOCKERHUB_TOKEN }}

      - name: Set up Docker Buildx
        uses: docker/setup-buildx-action@{{% param "setup_buildx_action_version" %}}

      - name: Validate build configuration
        uses: docker/bake-action@{{% param "bake_action_version" %}}
        with:
          targets: validate-build

      - name: Build
        uses: docker/bake-action@{{% param "bake_action_version" %}}
        with:
          targets: build
          push: true
```

Using the `call` input directly

You can also set the build method with the `call` input which is equivalent to using the `--call` flag with `docker buildx bake`

For example, to run a check without defining `call` in your Bake file:

```
name: ci

on:
  push:

jobs:
  docker:
    runs-on: ubuntu-latest
    steps:
      - name: Set up Docker Buildx
        uses: docker/setup-buildx-action@{{% param "setup_buildx_action_version" %}}

      - name: Validate build configuration
        uses: docker/bake-action@{{% param "bake_action_version" %}}
        with:
          targets: build
          call: check
```

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