```
class AnnotateImageRequest(proto.Message):                                  [Send]
    r"""Request for performing Google Cloud Vision API tasks over
    a user-provided image, with user-requested features, and
    context information.

    Attributes:
        image (google.cloud.vision_v1.types.Image):
            The image to be processed.
        features (Sequence[google.cloud.vision_v1.types.Feature]):
            Requested features.
        image_context (google.cloud.vision_v1.types.ImageContext):
            Additional context that may accompany the
            image.
    ...

    image = proto.Field(proto.MESSAGE, number=1, message='Image',)

    features = proto.RepeatedField(proto.MESSAGE, number=2, message='F

    image_context = proto.Field(proto.MESSAGE, number=3, message='Imag


class ImageAnnotationContext(proto.Message):                                [Send]
    r"""If an image was produced from a file (e.g. a PDF), this
    message gives information about the source of that image.

    Attributes:
        uri (str)
            The URI of the file used to produce the
            image.
        page_number (int)
            If the file was a PDF or TIFF, this field
            gives the page number within the file used to
            produce the image.
    ...

    uri = proto.Field(proto.STRING, number=1)

    page_number = proto.Field(proto.INT32, number=2)


class AnnotateImageResponse(proto.Message):                                 [Send]
    r"""Response to an image annotation request.

    Attributes:
        face_annotations (Sequence[google.cloud.vision_v1.types.FaceAnno
            If \|feature\| was requested, face detection has completed
            successfully.
        landmark_annotations (Sequence[google.cloud.vision_v1.types.Entit
            If \|feature\| landmark detection has completed
            successfully.
        logo_annotations (Sequence[google.cloud.vision_v1.types.EntityAn
            If \|feature\| logo detection has completed
            successfully.
        label_annotations (Sequence[google.cloud.vision_v1.types.EntityAn
            If \|feature\| label detection has completed
            successfully.
        localized_object_annotations (Sequence[google.cloud.vision_v1.ty
            If \|feature\| object localization has been
            completed successfully. This will be sorted
            descending by confidence score.
        text_annotations (Sequence[google.cloud.vision_v1.types.EntityAn
            If \|feature\| text (OCR) detection has
            completed successfully.
        full_text_annotation (google.cloud.vision_v1.types.TextAnnotatio
            If \|feature\| text (OCR) detection or document
            (OCR) text detection has completed successfully.
            This annotation provides the structure of the
            hierarchy for the OCR detected text.
        safe_search_annotation (google.cloud.vision_v1.types.SafeSearchA
            If \|feature\| safe_search_annotation has
            completed successfully.
        image_properties_annotation (google.cloud.vision_v1.types.ImageP
            If \|feature\| image_properties were extracted
            successfully.
        crop_hints_annotation (google.cloud.vision_v1.types.CropHintsAnn
            If \|feature\| crop_hints have completed
            successfully.
        web_detection (google.cloud.vision_v1.types.WebDetection)
            If \|feature\| web_detection has completed
            successfully.
        product_search_results (google.cloud.vision_v1.types.ProductSear
            If \|feature\| product_search has completed
            successfully.
        error (google.rpc.status_pb2.Status)
            If set, represents the error message for the operation. Note
            that \|filled in image annotations are guaranteed to be
            correct, even when \|error\| is non-zero.
        context (google.cloud.vision_v1.types.ImageAnnotationContext)
            If \|request\| contextual information is needed
            to understand what this image\|response\| from
    ...

    face_annotations = proto.RepeatedField(
        proto.MESSAGE, number=1, message='FaceAnnotation',
    )

    landmark_annotations = proto.RepeatedField(
        proto.MESSAGE, number=2, message='EntityAnnotation',
    )

    logo_annotations = proto.RepeatedField(
        proto.MESSAGE, number=3, message='EntityAnnotation',
    )

    label_annotations = proto.RepeatedField(
        proto.MESSAGE, number=4, message='EntityAnnotation',
    )

    localized_object_annotations = proto.RepeatedField(
        proto.MESSAGE, number=22, message='LocalizedObjectAnnotation',
    )

    text_annotations = proto.RepeatedField(
        proto.MESSAGE, number=5, message='EntityAnnotation',
    )

    full_text_annotation = proto.Field(
        proto.MESSAGE, number=12, message='TextAnnotation',
    )

    safe_search_annotation = proto.Field(
        proto.MESSAGE, number=6, message='SafeSearchAnnotation',
    )

    image_properties_annotation = proto.Field(
        proto.MESSAGE, number=7, message='ImageProperties',
    )

    crop_hints_annotation = proto.Field(
        proto.MESSAGE, number=11, message='CropHintsAnnotation',
    )

    web_detection = proto.Field(
        proto.MESSAGE, number=13, message='WebDetection',
    )

    product_search_results = proto.Field(
        proto.MESSAGE, number=14, message='ProductSearchResults',
    )

    error = proto.Field(proto.MESSAGE, number=9, message='Status',)

    context = proto.Field(proto.MESSAGE, number=21, message='ImageAnno


class BatchAnnotateImagesRequest(proto.Message):                            [Send]
    r"""Multiple image annotation requests are batched into a single
    service call.

    Attributes:
        requests (Sequence[google.cloud.vision_v1.types.AnnotateImageReq
            Required. Individual image annotation
            requests for this batch.
        parent (str)
            Optional. Target project and location to make a call.

            Format: projects/{project-id}/locations/{location-id}.

            If no parent is specified, a region will be chosen
            automatically.

            Supported location-ids: us: USA country only, asia
            East asia areas, like Japan, Taiwan, eu: The European
            Union.

            Example: projects/project-A/locations/eu.
    ...

    requests = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AnnotateImageRequest',
    )

    parent = proto.Field(proto.STRING, number=4)


class BatchAnnotateImagesResponse(proto.Message):                           [Send]
    r"""Response to batch image annotation requests.

    Attributes:
        responses (Sequence[google.cloud.vision_v1.types.AnnotateImageRe
            Individual responses to image
            requests within the batch.
    ...

    responses = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AnnotateImageResponse',
    )


class AnnotateFileRequest(proto.Message):                                   [Send]
    r"""A request to annotate one single file, e.g. a PDF, TIFF or
    GIF file.

    Attributes:
        input_config (google.cloud.vision_v1.types.InputConfig)
            Required. Information about the input file.
        features (Sequence[google.cloud.vision_v1.types.Feature])
            Required. Requested features.
        image_context (google.cloud.vision_v1.types.ImageContext)
            Additional context that may accompany the
            image.(Service).
        pages (Sequence[int])
            Pages of the file to perform image
            annotation.

            Pages starts at 1, in the order of the
            pages in the file, and a maximum of
            supported per request. Pages can be negative.
            Page 1 means the first page.
            Page 2 means the second page.
            Page -1 means the last page.
            Page -2 means the second to the last page.
    ...

            If the file is GIF instead of PDF or TIFF, page
            refers to GIF frames.

            If this field is empty, by default the service
            performs image annotation for the first 5 pages
            of the file.
    ...

    input_config = proto.Field(proto.MESSAGE, number=1, message='Input

    features = proto.RepeatedField(proto.MESSAGE, number=2, message='F

    image_context = proto.Field(proto.MESSAGE, number=3, message='Imag

    pages = proto.RepeatedField(proto.INT32, number=4)


class AnnotateFileResponse(proto.Message):                                  [Send]
    r"""Response to an annotate file request. A file may
    contain one or more images, which individually have their
    responses.

    Attributes:
        input_config (google.cloud.vision_v1.types.InputConfig)
            The information request for which this
            response is generated.
        responses (Sequence[google.cloud.vision_v1.types.AnnotateImageR
            Individual responses to image requests within the file.
            field will be empty if the \`error\` field is set.
        total_pages (int)
            This field gives the total number of pages in
            the file.
        error (google.rpc.status_pb2.Status)
            If set, represents the error message for the failed request
            The \`responses\` field will not be set in this case.
    ...

    input_config = proto.Field(proto.MESSAGE, number=1, message='Input

    responses = proto.RepeatedField(
        proto.MESSAGE, number=2, message='AnnotateImageResponse',
    )

    total_pages = proto.Field(proto.INT32, number=3)

    error = proto.Field(proto.MESSAGE, number=4, message=status.Status


class BatchAnnotateFilesRequest(proto.Message):                             [Send]
    r"""A request of multiple file annotation requests to be
    processed by the \`BatchAnnotateFiles\` API.

    Attributes:
        requests (Sequence[google.cloud.vision_v1.types.AnnotateFileReq
            Required. The list of file annotation
            requests. Right now we support only one
            \`AnnotateFileRequest\`.
        parent (str)
            Optional. Target project and location to make a call.

            Format: projects/{project-id}/locations/{location-id}.

            If no parent is specified, a region will be chosen
            automatically.

            Supported location-ids: us: USA country only, asia
            East asia areas, like Japan, Taiwan, eu: The European
            Union.

            Example: projects/project-A/locations/eu.
    ...

    requests = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AnnotateFileRequest',
    )

    parent = proto.Field(proto.STRING, number=3)


class BatchAnnotateFilesResponse(proto.Message):                            [Send]
    r"""A list of file annotation responses.

    Attributes:
        responses (Sequence[google.cloud.vision_v1.types.AnnotateFileRe
            The list of file annotation responses, each
            response corresponding to each
            \`AnnotateFileRequest\`.
            \`BatchAnnotateFilesRequest\`.
    ...

    responses = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AnnotateFileResponse',
    )


class AsyncAnnotateFileRequest(proto.Message):                              [Send]
    r"""An offline file annotation request.

    Attributes:
        input_config (google.cloud.vision_v1.types.InputConfig)
            Required. Information about the input file.
        features (Sequence[google.cloud.vision_v1.types.Feature])
            Required. Requested features.
        image_context (google.cloud.vision_v1.types.ImageContext)
            Additional context that may accompany the
            image.(Service).
        output_config (google.cloud.vision_v1.types.OutputConfig)
            Required. The desired output location and
            metadata (e.g. format).
    ...

    input_config = proto.Field(proto.MESSAGE, number=1, message='Input

    features = proto.RepeatedField(proto.MESSAGE, number=2, message='F

    image_context = proto.Field(proto.MESSAGE, number=4, message='Imag

    output_config = proto.Field(proto.MESSAGE, number=3, message='Outp


class AsyncAnnotateFileResponse(proto.Message):                             [Send]
    r"""The response for a single offline file annotation request.

    Attributes:
        output_config (google.cloud.vision_v1.types.OutputConfig)
            The output location and metadata from
            AsyncAnnotateFileRequest.
    ...

    output_config = proto.Field(proto.MESSAGE, number=1, message='Outp


class AsyncBatchAnnotateImagesRequest(proto.Message):                       [Send]
    r"""Request for async image annotation for a list of images.

    Attributes:
        requests (Sequence[google.cloud.vision_v1.types.AnnotateImageReq
            Required. Individual image annotation
            requests for this batch.
        output_config (google.cloud.vision_v1.types.OutputConfig)
            Required. The desired output location and
            metadata (e.g. format).
        parent (str)
            Optional. Target project and location to make a call.

            Format: projects/{project-id}/locations/{location-id}.

            If no parent is specified, a region will be chosen
            automatically.

            Supported location-ids: us: USA country only, asia
            East asia areas, like Japan, Taiwan, eu: The European
            Union.

            Example: projects/project-A/locations/eu.
    ...

    requests = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AnnotateImageRequest',
    )

    output_config = proto.Field(proto.MESSAGE, number=2, message='Outp

    parent = proto.Field(proto.STRING, number=4)


class AsyncBatchAnnotateImagesResponse(proto.Message):                      [Send]
    r"""Response to an async batch image annotation request.

    Attributes:
        output_config (google.cloud.vision_v1.types.OutputConfig)
            The output location and metadata from
            AsyncBatchAnnotateImagesRequest.
    ...

    output_config = proto.Field(proto.MESSAGE, number=2, message='Outp


class AsyncBatchAnnotateFilesRequest(proto.Message):                        [Send]
    r"""A request of multiple file annotation requests are batched into a
    single service call.

    Attributes:
        requests (Sequence[google.cloud.vision_v1.types.AsyncAnnotateFil
            Required. Individual async file annotation
            requests for this batch.
        parent (str)
            Optional. Target project and location to make a call.

            Format: projects/{project-id}/locations/{location-id}.

            If no parent is specified, a region will be chosen
            automatically.

            Supported location-ids: us: USA country only, asia
            East asia areas, like Japan, Taiwan, eu: The European
            Union.

            Example: projects/project-A/locations/eu.
    ...

    requests = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AsyncAnnotateFileRequest',
    )

    parent = proto.Field(proto.STRING, number=4)


class AsyncBatchAnnotateFilesResponse(proto.Message):                       [Send]
    r"""Response to an async batch file annotation request.

    Attributes:
        responses (Sequence[google.cloud.vision_v1.types.AsyncAnnotateFi
            The list of file annotation responses, one
            response for each
            \`AsyncAnnotateFileRequest\`.
    ...

    responses = proto.RepeatedField(
        proto.MESSAGE, number=1, message='AsyncAnnotateFileResponse',
    )


class InputConfig(proto.Message):                                           [Send]
    r"""The desired input location and metadata.

    Attributes:
        gcs_source (google.cloud.vision_v1.types.GcsSource)
            The Google Cloud Storage location to read the
            input.
        content (bytes)
            Content (bytes) - represented as a stream of bytes. Note: as
            with all \`bytes\` fields, protobuffers use a pure binary
            representation, whereas JSON representations use base64.

            Currently this field only works for BatchAnnotateFiles
            requests. It does not work for AsyncBatchAnnotateFiles
            requests.
        mime_type (str)
            The MIME type, e.g. \`application/pdf\`, \`image/tiff\`
            \`image/jpeg\`. \`application/pdf\` and \`image/tiff\`
            are supported. Wildcards are not supported.
    ...

    gcs_source = proto.Field(proto.MESSAGE, number=1, message='GcsSour

    content = proto.Field(proto.BYTES, number=3)

    mime_type = proto.Field(proto.STRING, number=2)


class OutputConfig(proto.Message):                                          [Send]
    r"""The desired output location and metadata.

    Attributes:
        gcs_destination (google.cloud.vision_v1.types.GcsDestination)
            The Google Cloud Storage location to write
            the output(s) to.
        batch_size (int)
            The max number of response protos to put into each output
            JSON file on Google Cloud Storage. The valid range is [1,
            100]. If not specified, the default value is 20.

            For example, for one pdf file with 100 pages, 100 response
            protos will be written to sharded files "output-x-to-y-
            json.file.each containing 20 response protos will be
            written under the prefix \`gcs_destination.uri\`, \`uri\`.

            Currently, batch_size only applies to BatchAnnotateFiles
            requests. It has no effect on the output configuration
            of AsyncBatchAnnotateFilesRequest.
    ...

    gcs_destination = proto.Field(proto.MESSAGE, number=1, message='Go

    batch_size = proto.Field(proto.INT32, number=2)


class GcsSource(proto.Message):                                             [Send]
    r"""The Google Cloud Storage location where the input will
    be read.

    Attributes:
        uri (str)
            Google Cloud Storage URI for the input file.
            This must only be a Google Cloud Storage object.
            Wildcards are not currently supported.
    ...

    uri = proto.Field(proto.STRING, number=1)


class GcsDestination(proto.Message):                                        [Send]
    r"""The Google Cloud Storage location where the output will be
    written to.

    Attributes:
        uri (str)
            Google Cloud Storage URI prefix where the results will be
            stored. Results will be in JSON format and preceded by its
            corresponding input URI prefix. This field can either
            represent a gs file prefix or gs directory. In either
            case, the service will append a forward slash to the end
            of the output files, you will need to be a wildcard gs:
            search on the uri prefix you provide.

            Examples:

            \* File prefix: gs://bucket-name/here/filenameprefix The
            output files will be created in gs://bucket-name/here/
            and the name of the output files will begin with
            "filenameprefix".

            \* Directory prefix: gs://bucket-name/some/location/ The
            output files will be created in
            gs://bucket-name/some/location/ and the names of the
            output files could be anything because there was no
            filename prefix specified.

            If multiple outputs, each response is still
            AnnotateFileResponse, each of which contains some subset of
            the full list of AnnotateImageResponse. Multiple outputs can
            happen if, for instance, the request is too large and
            overflows into multiple sharded files.
    ...

    uri = proto.Field(proto.STRING, number=1)


class OperationMetadata(proto.Message):                                     [Send]
    r"""Contains metadata for the BatchAnnotateImages operation.

    Attributes:
        state (google.cloud.vision_v1.types.OperationMetadata.State)
            Current state of the batch operation.
        create_time (google.protobuf.timestamp_pb2.Timestamp)
            The time when the batch request was received.
        update_time (google.protobuf.timestamp_pb2.Timestamp)
            The time when the operation result was last
            updated.
    ...

    class State(proto.Enum):
        r"""Batch operation states.

        Attributes:
        STATE_UNSPECIFIED = 0
        CREATED = 1
        RUNNING = 2
        DONE = 3
        CANCELLED = 4

    state = proto.Field(proto.ENUM, number=1, enum=State,)

    create_time = proto.Field(proto.MESSAGE, number=5, message='Times

    update_time = proto.Field(proto.MESSAGE, number=6, message='Times


__all__ = tuple(sorted(__\_\_protobuf\_\_.keys()))
```

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