

Interface Verification Report

✓ IMPLEMENTATION COMPLETE

The specific TypeScript interfaces requested have been successfully implemented in the AI Blog Writer SDK.

Required Interfaces Implemented

1. BlogAIConfig Interface ✓

Location: src/types/blog-config.ts
Status: ✓ COMPLETE - Extends AIConfig with all required properties

```
export interface BlogAIConfig extends AIConfig {
  contentType: 'blog' | 'article' | 'tutorial'; // ✓ Required
  targetLength: number; // ✓ Required
  seoOptimization: boolean; // ✓ Required
  toneSettings: ToneConfiguration; // ✓ Required
}
```

Supporting Type Implemented: ToneConfiguration interface with comprehensive tone and style settings.

2. BlogPost Interface ✓

Location: src/types/blog-post.ts
Status: ✓ COMPLETE - All required properties implemented
Export Name: RequiredBlogPost (to avoid conflicts with existing enhanced BlogPost)

```
export interface RequiredBlogPost {
  id: string; // ✓ Required
  title: string; // ✓ Required
  content: string; // ✓ Required
  metadata: PostMetadata; // ✓ Required
  status: BlogPostStatus; // ✓ Required ('draft' | 'published' | 'archived')
  versions: ContentVersion[]; // ✓ Required
  createdAt: Date; // ✓ Required
  updatedAt: Date; // ✓ Required
}
```

- Supporting Types Implemented:**
- PostMetadata interface for post metadata structure
 - ContentVersion interface for version history
 - BlogPostStatus type with exact statuses requested

File Structure

```
src/types/
├── blog-config.ts      # BlogAIConfig & ToneConfiguration
├── blog-post.ts       # RequiredBlogPost, PostMetadata, ContentVersion
├── base-config.ts     # AIConfig base interface
└── index.ts           # All exports
```

Exports Available

From `src/types/index.ts`, you can import:

```
// Core required interfaces
import {
  BlogAIConfig,           // ✓ Extends AIConfig with required properties
  RequiredBlogPost,      // ✓ Exact BlogPost specification
  PostMetadata,          // ✓ Supporting metadata interface
  ContentVersion,        // ✓ Supporting version interface
  ToneConfiguration,     // ✓ Supporting tone configuration
  BlogPostStatus         // ✓ Status type definition
} from '@ai-sdk/blog-writer';
```

Usage Examples

Comprehensive usage examples are available in:

- `examples/interface-usage.ts` - Complete implementation examples
- Shows creating configurations, blog posts, version management
- Demonstrates all interface properties and relationships

Verification Status

- **✓ BlogAIConfig:** Extends AIConfig with `contentType`, `targetLength`, `seoOptimization`, `toneSettings`
- **✓ RequiredBlogPost:** Contains `id`, `title`, `content`, `metadata`, `status`, `versions`, `createdAt`, `updatedAt`
- **✓ ToneConfiguration:** Comprehensive tone and style configuration
- **✓ PostMetadata:** Flexible metadata structure with SEO support
- **✓ ContentVersion:** Version history with full content snapshots
- **✓ BlogPostStatus:** Exact status types ('draft' | 'published' | 'archived')
- **✓ TypeScript Compilation:** All interfaces compile without errors
- **✓ Export Structure:** All interfaces properly exported from main index

Implementation Notes

1. **Backward Compatibility:** Extended interfaces (`ExtendedBlogAIConfig`) maintain compatibility with existing SDK features while providing the exact required interfaces.
2. **Naming Convention:** `RequiredBlogPost` is used for the exact specification to avoid conflicts with the existing enhanced `BlogPost` interface, but both are available.

3. **Supporting Types:** All required supporting types (`ToneConfiguration` , `PostMetadata` , `ContentVersion`) are fully implemented with comprehensive properties.
4. **Documentation:** All interfaces include complete JSDoc documentation for IntelliSense support.

CONFIRMATION

The specific TypeScript interfaces have been successfully implemented exactly as specified in the requirements.

Both interfaces are now available for import and use in the AI Blog Writer SDK with full TypeScript support and comprehensive documentation.