TAMBO MCP Integration Suite - Quick Reference

🚀 Quick Start Commands

Essential Operations

```javascript
// Route a request
const result = await abacusClient.routeRequest('Pro', 'user request text');

// Update a component
const updated = await tamboClient.updateComponent('component-id', changes);

// Search across tools
const results = await crossToolSearch.searchUnified('search query');

// Process MCP command
const response = await commandEngine.processCommand('natural language command');
```

🎯 Agent Routing Quick Reference

Keywords	Agent	Route	Use For
support, error, issue, bug	TriageAgent	`/triage`	Technical support
blog, article, content, media	ContentRouterAgent	`/content`	Content management
feedback, comment, review	FeedbackMinerAgent	`/feedback`	User feedback
pricing, upgrade, billing	PricingIntelli-genceAgent	`/pricing`	Pricing queries
log, audit, compli-ance	AuditAgent	`/audit`	Compliance tracking

🔧 Component IDs Reference

Navigation Components

- `nav-header` - Main navigation header
- `nav-sidebar` - Side navigation panel
- `nav-mobile` - Mobile navigation menu
- `nav-breadcrumb` - Breadcrumb navigation

UI Components

- `button-primary` - Primary action buttons
- `button-secondary` - Secondary action buttons
- `card-component` - Card layout components
- `modal-dialog` - Modal dialogs
- `form-input` - Form input fields

Layout Components

- `page-header` - Page header sections
- `page-footer` - Page footer sections
- `content-main` - Main content areas
- `sidebar-left` - Left sidebar panels

🛡️ Safety Quick Checks

Protected Components (Cannot Modify)

```
const PROTECTED = [
  'core-layout',      // ❌ Never modify
  'main-navigation',  // ❌ Never modify
  'app-shell',        // ❌ Never modify
  'error-boundary'    // ❌ Never modify
];
```

Safe Modification Examples

```
// ✅ Safe changes
const safeChanges = {
  style: { color: 'blue', fontSize: '16px' },
  props: { title: 'New Title', disabled: false },
  className: 'new-class-name'
};

// ❌ Dangerous changes
const dangerousChanges = {
  innerHTML: '<script>alert("hack")</script>',
  eval: 'dangerous code',
  onclick: 'window.location = "malicious-site.com"'
};
```

📊 Rate Limits

Operation	Limit	Reset Period
TAMBO API Requests	30/minute	1 minute
Component Updates	10/hour	1 hour
ABACUS Routing	Unlimited	-
Cross-tool Search	20/hour	1 hour
MCP Sync Operations	1/30 seconds	30 seconds

🔍 Error Codes Quick Fix

Error Code	Quick Fix
401 Unauthorized	Check API key
403 Forbidden	Verify permissions
429 Rate Limited	Wait and retry
500 Server Error	Check service status
"Component protected"	Use non-protected component
"Dangerous code"	Remove unsafe patterns

🧪 Testing Commands

Test Connectivity

```
// Test ABACUS
await abacusClient.routeRequest('Pro', 'test connection');

// Test TAMBO
await tamboClient.getComponent('test-component');

// Test MCP
await mcpSync.getSyncStatus();
```

Mock Data for Testing

```javascript
// Mock routing response
const mockRouting = {
  agent: 'TriageAgent',
  tier: 'Pro',
  intent: 'support_request',
  route: '/triage',
  confidence: 0.95
};

// Mock component
const mockComponent = {
  id: 'test-button',
  name: 'Test Button',
  code: '<button>Test</button>',
  category: 'ui'
};
```

🤹 Role Permissions Matrix

Feature	CEO	Developer	Content Mgr	Support
Route Requests	✅	✅	✅	✅
Update Components	✅	✅	❌	❌
Agent Diagnostics	✅	✅	❌	✅
Cross-tool Search	✅	✅	✅	❌
Protected Components	✅	❌	❌	❌
Safe Mode Override	✅	❌	❌	❌

📱 Environment Configurations

Development

```javascript
const devConfig = {
  tamboApiUrl: 'https://api-dev.tambo.co/v1',
  abacusAppId: 'dev-1573da0c2c',
  mockMode: true,
  debugLogs: true,
  safeMode: true
};
```

Production

```javascript
const prodConfig = {
  tamboApiUrl: 'https://api.tambo.co/v1',
  abacusAppId: '1573da0c2c',
  mockMode: false,
  debugLogs: false,
  safeMode: true
};
```

🚨 Emergency Procedures

Quick Reset

```javascript
// Clear everything and restart
abacusClient.clearHistory();
tamboClient.enableSafeMode();
await mcpSync.reinitialize();
window.location.reload();
```

Check System Health

```javascript
const healthCheck = async () => {
  const status = {
    abacus: await testAbacusConnection(),
    tambo: await testTamboConnection(),
    mcp: await testMCPConnection()
  };
  console.log('System Health:', status);
};
```

📞 Support Contacts

Internal Support

- **Team Lead**: For component and integration issues
- **DevOps**: For API and infrastructure issues
- **Admin**: For permissions and access issues

External Support

- **TAMBO Support**: `support@tambo.co`
- **ABACUS Support**: Via ABACUS platform
- **Emergency**: Use escalation procedures

🔗 Important URLs

Production URLs

- TAMBO API: `https://api.tambo.co/v1`
- ABACUS Chatbot: `https://apps.abacus.ai/chatllm/?appId=1573da0c2c`

Development URLs

- TAMBO Dev API: `https://api-dev.tambo.co/v1`
- Local Development: `http://localhost:5173`

Documentation

- API Docs: Internal documentation server
- Component Library: TAMBO documentation portal
- MCP Specification: Internal MCP documentation

⌨️ Keyboard Shortcuts

Action	Shortcut
Submit Request	`Ctrl + Enter`
Clear Form	`Ctrl + Shift + C`
Toggle Dev Mode	`Ctrl + D`
Open Diagnostics	`Ctrl + Shift + D`
Force Refresh	`Ctrl + F5`

Keep this guide handy for quick reference during daily operations