API'S RULE THE WORLD

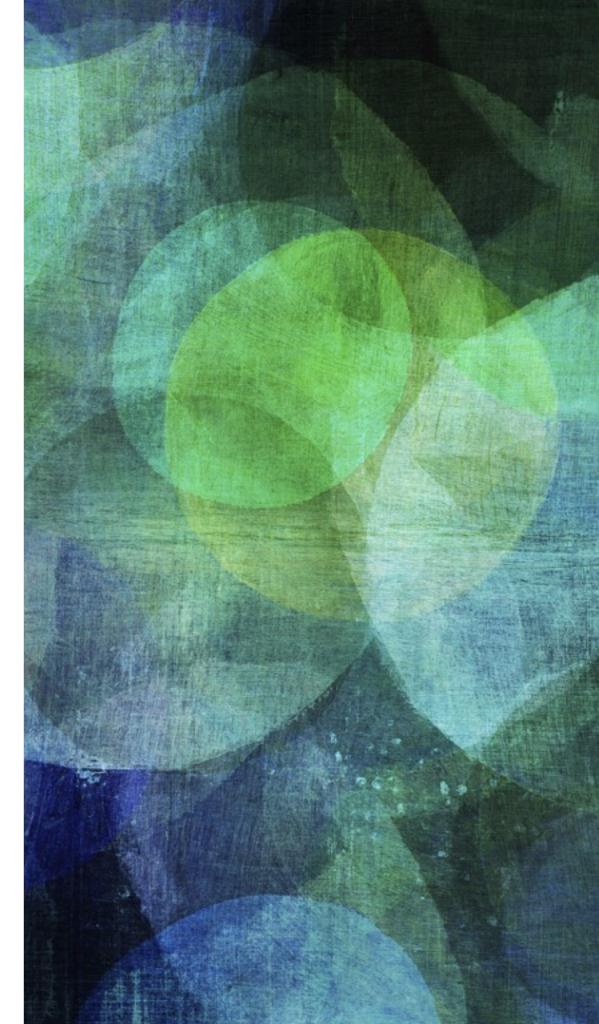*Swaathi Kakarla, Skcript*

@imswaathik

API DESIGN

API CONCERNS

BUSINESS MODEL

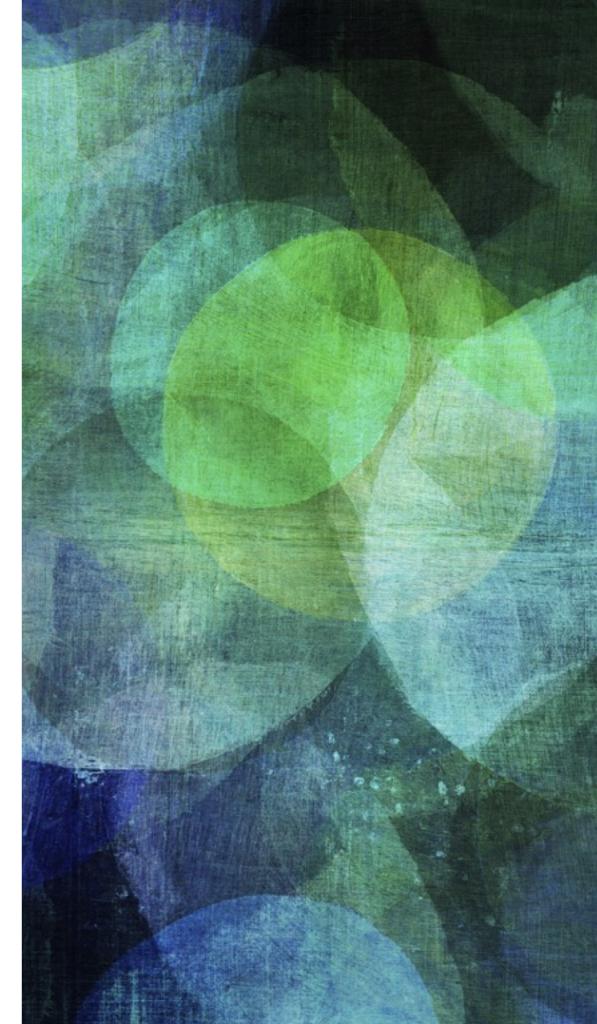*Three Stories*

API DESIGN

API CONCERNS

BUSINESS MODEL

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Three Stories

KEEP THINGS SIMPLE

*The primary design principle
when crafting your API should be to
maximize developer productivity and success.*

HOW SIMPLE?

INTUITIVE VALUE ADDITION

GREAT DOCUMENTATION

EASE OF INTEGRATION

HOW SIMPLE?

INTUITIVE VALUE ADDITION
Why should I integrate?

GREAT DOCUMENTATION

EASE OF INTEGRATION

HOW SIMPLE?

INTUITIVE VALUE ADDITION

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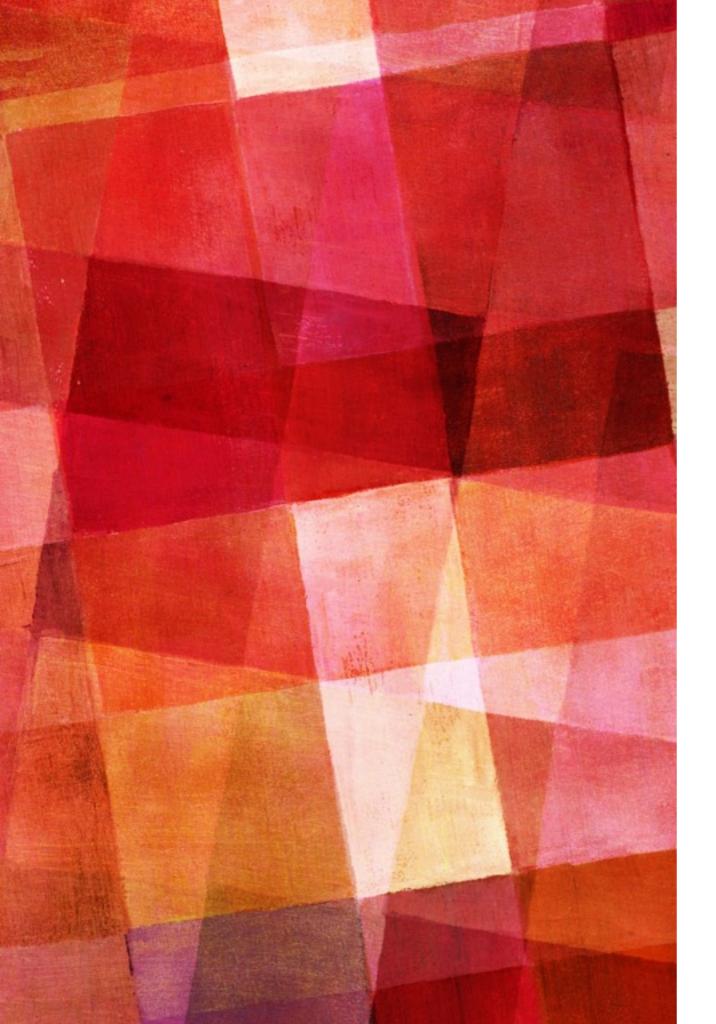
How should I integrate?

EASE OF INTEGRATION

HOW SIMPLE?

INTUITIVE VALUE ADDITION

GREAT DOCUMENTATION

EASE OF INTEGRATION
What should I do to integrate?

SHRINK API

➤ Separate API Logic from Core Logic

➤ Easy URLs

➤ Version Management

➤ Quick Response Time

➤ Easy Token Management

➤ Encrypted

SEPARATE API LOGIC FROM CORE LOGIC

Separate your URL schemes

/api

api.example.com

EASY URLS

Keep your base URL simple

/files   */folders*

POST /files   *GET /files*

/owner/:id/files   */owner/:id/files?time=today*

VERSION MANAGEMENT

Isolate slugs, while keeping base URL same

/api/v1/files

api.example.com/v1

QUICK RESPONSE TIMES

200ms is your magical number

0.1s - User never notices

1s - User might notice

10 s - User will notice

EASY TOKEN MANAGEMENT

The easiest management is when you don't have to manage at all.
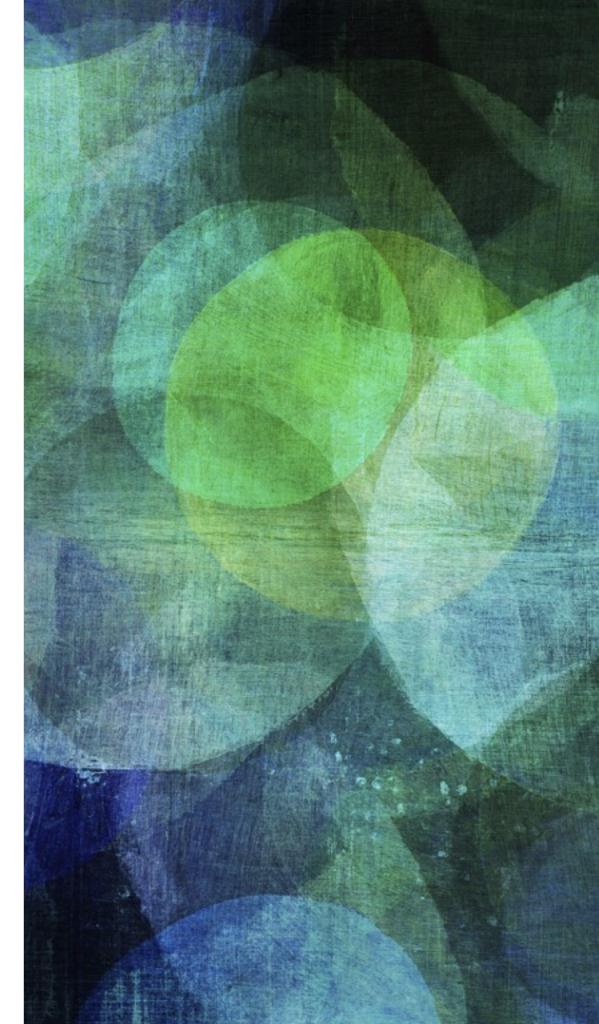
Public / Private

ENCRYPTION

Better safe than sorry.

1. URL Body
2. Timestamp
3. Secret Key

API DESIGN

API CONCERNS

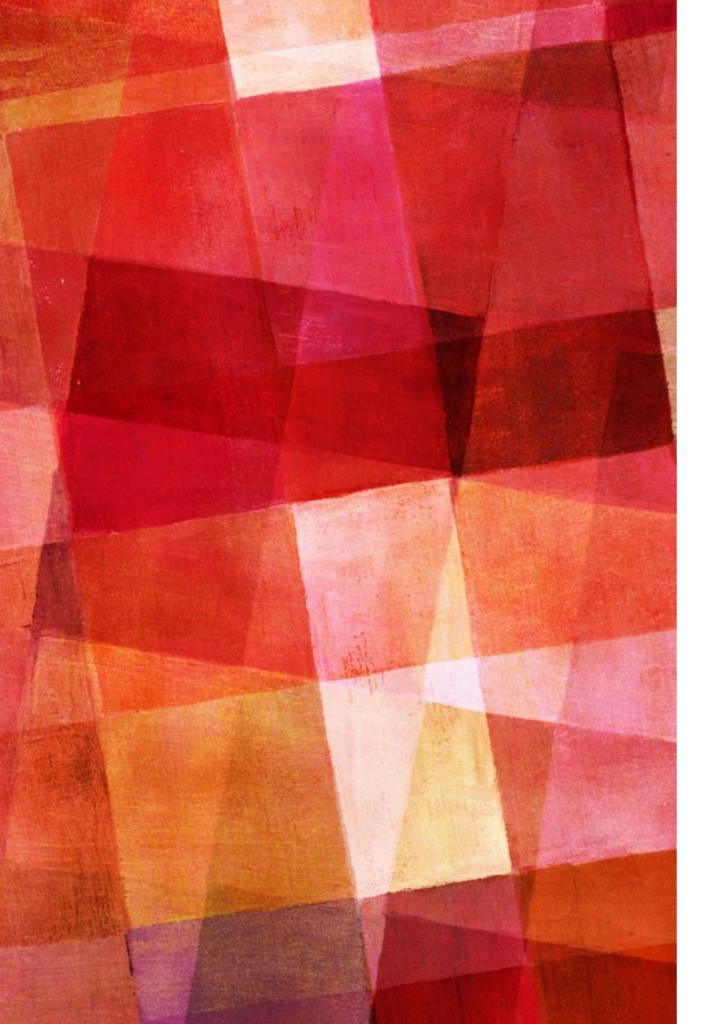BUSINESS MODEL

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Three Stories

KEEP THINGS AVAILABLE

*The primary concern
when scaling your API should be to
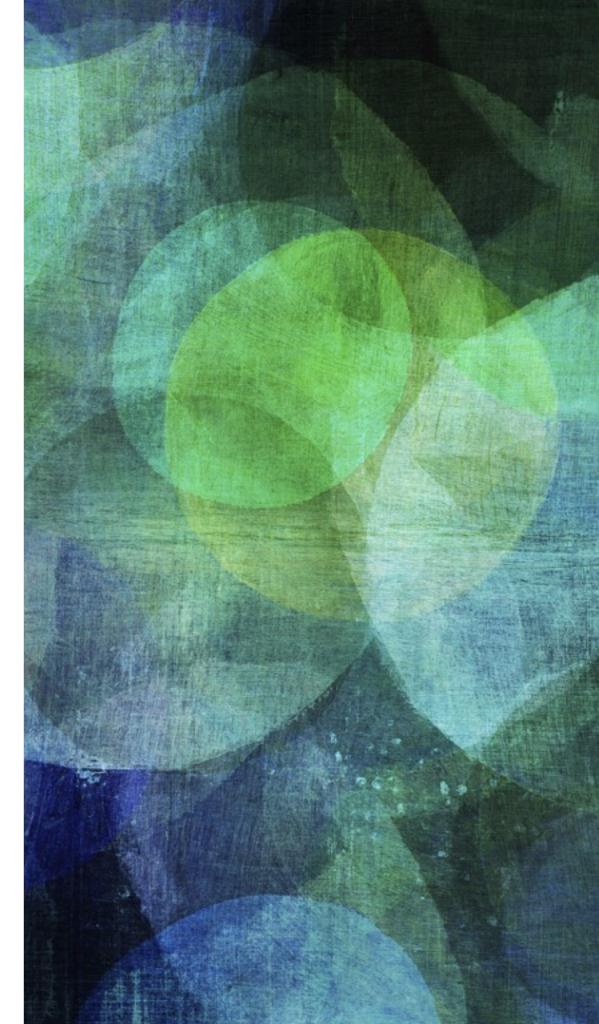keep users attention and flow of thought.*

CONCERNS

- ➤ Rate Limiting

- ➤ Pagination

- ➤ Easy Error Messages

- ➤ Background Processing

- ➤ Multiple Format Support

- ➤ SDK Support
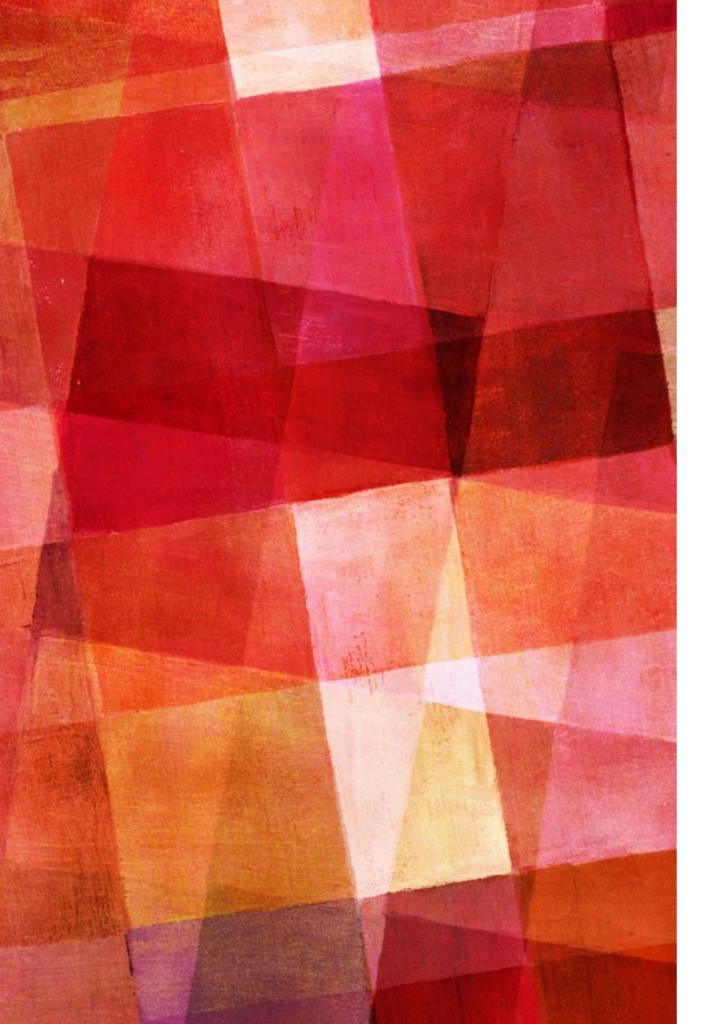
API DESIGN

API CONCERNS

BUSINESS MODEL

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Three Stories

KEEP THINGS FUN

And make money!

MODELS

- ➤ Free

- ➤ Developer Gets Paid

- ➤ Developer Pays

"

Stay Hungry, Stay Foolish.

- Steve Jobs

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