

Panel Discussion

10,000+ data points from 100+ data sources ...

Other data

Lender interview notes, field verification, photos, call records

Social data

Google, Facebook, LinkedIn, Instagram, website data, news

Telco data

SMS, geo tagging, call records, recharge, Mwallet, mobile apps

Utility data

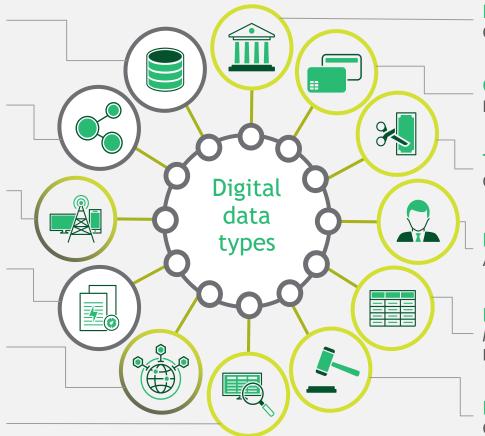
Electricity, phone, gas, internet

Internet transactions

Sales history, returns, customer rating, customer comments

Business systems data

ERP, payments, inventory mgmt.



Bank statement data

Current account, loans, transactions, bounces

Credit bureau data

Entity credit, proprietor credit

Tax data

GST, ITR, TDS, service tax, TIN, CRILC

Proprietor data

Aadhaar, KYC, PAN, voter Id, professional bodies

Entity data

MCA, Udyog Aadhaar, LEI, Shop Act, Exim code, ESIC, EPF

Legal

CIBIL suits, court cases, EPFO defaulters

Structured data

O Unstructured data

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... with architecture enabling real time access



Digital lending enablers

Multiple enabler models to support end-to-end digital lending journeys

- Credit scoring & verification platforms
- API aggregators
- Surrogate data providers
- Digital process enablers (e.g., eSign, eKYC)



Digitization in banks & Fls

Banks setting up tech infrastructure to enable data consumption through

- API gateways
- Middleware
- Lending platforms integrated with data sources

Data storage, extraction & analytics platforms being set up



Government and regulator positive intent

Ensuring easier availability of data for consumption

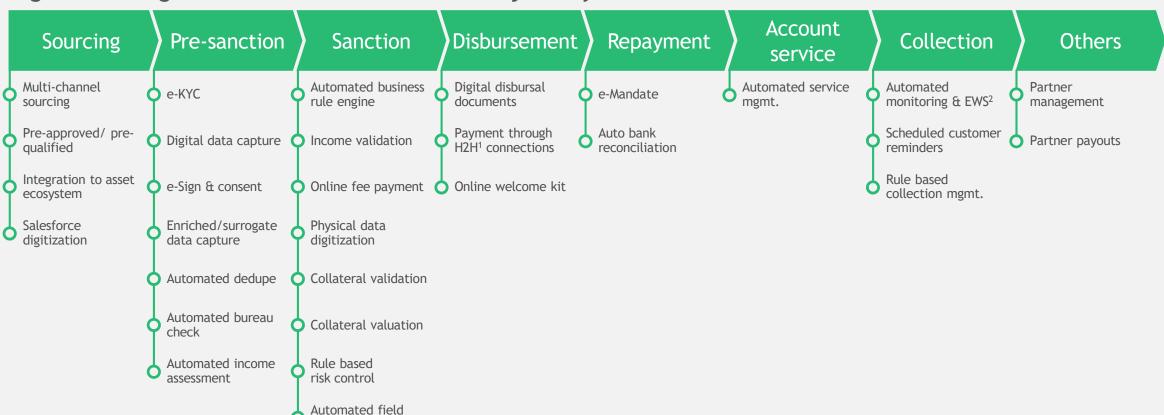
- Open architecture platforms such as Adhaar, GSTN, BBPS
- Setting up consolidated platforms such as account aggregators, cKYC

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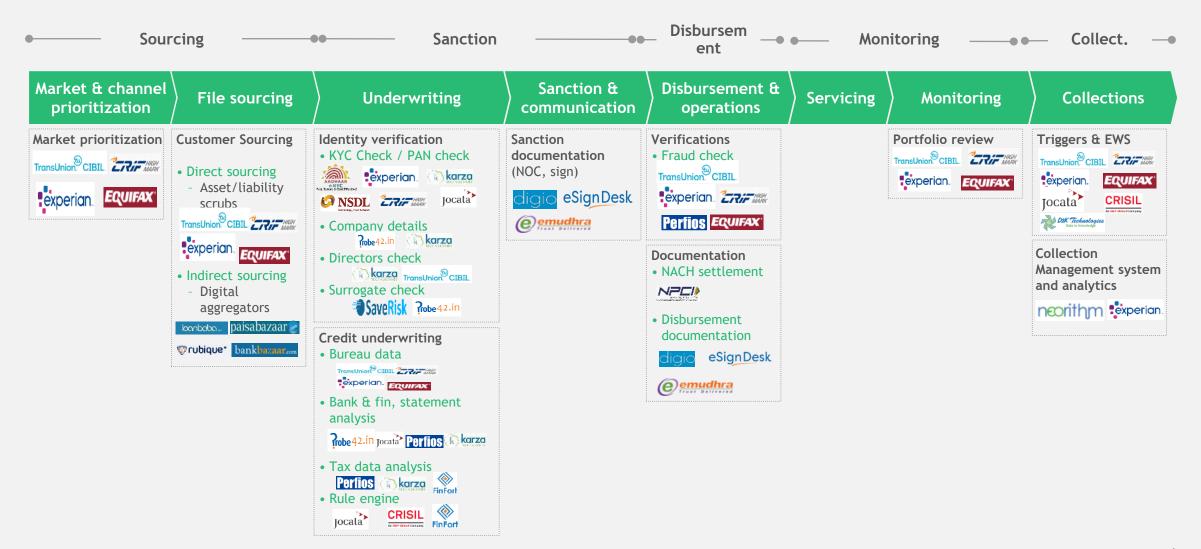
End-to-end customer journeys are being digitized ...

Digital building blocks in end-to-end customer journey

investigation



... with help from ecosystem that exists today in India

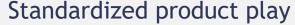


Helping break through traditional challenges in lending



"Me too" play: Inability to differentiate





- Limited scope for innovation given operating model constraints
- Mostly driven by relationship play and hence making it difficult for new entrants



High unit cost



High touch operating model leading to high opex

 Driven by high number of sales touch points, low credit & operations productivity and high collections cost

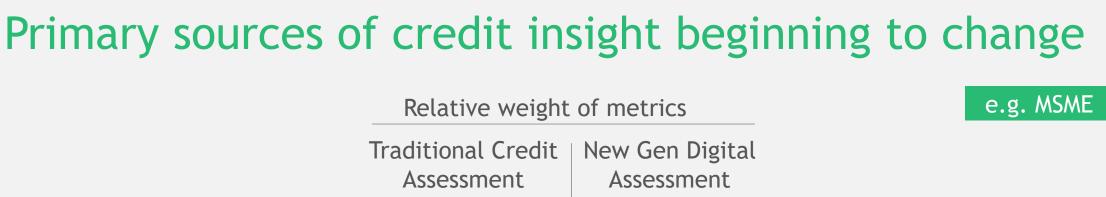


Information arbitrage



Information arbitrage in the segment makes it difficult to price the risk

- Incomplete / manipulated financials
- Lack of verifiable digital trail





Bureau	~1	~20	Bureau data assessed at line level in conjunction with other data

Borrower/Management	~30%	~10%	Advanced assessment including
Profile			surrogate data (e.g., social, telco)

Analytics driven decision helping improve credit assessment quality (across underwriting and EWS)

Comprehensive Input



Non traditional data

- Electricity consumption
- Return filing consistency
- Bill Payment
- •



Sector specific inputs



Basic underwriting model dimensions

- Sector growth rate
- Sector investment
- Sector bad rates
- •••
- Financials
- Account operations
- Bureau
- ...



Underwriting Model Build



Logistic regression



Machine learning



Model Output



Automated decision (enriched using non-traditional, sector inputs)



Granular eligibility output

e.g., Peak level funding requirement

Hype vs reality?

Bankers' perspective

- Data driven credit assessment/EWS: Where are we in the journey of evolution?
- How does MSME evolution compare with retail? How can we unlock the potential of digitization, data and analytics in MSME similar to what we have seen in retail?
- How do banks evolve organizationally to capitalize on the emerging opportunity?

Ecosystem partners

- How does data architecture in India compare to global economies? What can be done to further strengthen it?
- With data democratization taking more space in government's agenda how do ecosystem players evolve to provide value added offerings to clients (Banks / Fls)?
- How do we address the issues around data authenticity / frauds?



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